



TECHNOLOGY IN CONNECTORS™

SENSOR ACTOR LINE





GERMANY

As a leading connector manufacturer CONEC develops, produces and markets connectors worldwide to the electronic and communications industry. CONEC is committed to contribute to progress in inter-connect technology, and to satisfy and delight customers through innovation, quality manufacturing and superior services.

CONEC provides global account management in a customer's home country and combines the information received for product and design and delivery of the end product to the customer's multiple manufacturing locations worldwide.

Local sales and engineering support around the globe provides the customer knowledgeable assistance in their own language to fully communicate and to understand the needs of their business environment.





CANADA



USA

CONEC designs and manufactures a wide variety of electronic connector products.

CONEC provides reliable and effective solutions to problems faced by electronic equipment manufacturers, contract manufacturers and cable assembly operations.



AT CONEC, CUSTOMER SATISFACTION IS PRIORITY NUMBER ONE.



CONEC prides itself with its total quality management system. The customer's requirements and specifications are fully adhered to, from the design phase, through to the final approved series product. Close coordination on all levels is carried out with the customer. From the initial design concept to the end product our engineering group works closely with the customer at all times.

CONEC project management system allows for timely conclusion. CONEC is certified under **ISO/TS16949:2002**.

CONEC prides itself with having one of the most technical advanced in house test laboratories, allowing for accurate testing and measurement of its products. At CONEC we believe that customer service combined with quality products at an affordable price provides customer satisfaction. CONEC connectors are examined and certified according to the product family UL-CSA-VDE.

YOUR SOURCE FOR CUSTOMER SPECIFIC APPLICATION, DEVELOPMENT AND PRODUCTION.

CONEC is fast to respond to the customer's needs, with "just in time" programs, logistic requirements, local inventories, central order entry and processing, broad distribution and total quality management. CONEC has earned certified supplier status with many of its large customers worldwide.



**Are you searching for an application specific solution?
Standard products are not suitable?
Time to market is priority?**

CONEC with its team of engineering and know how to help you find the answer, e.g.:

- Special connectors according to customer specification
- Prototypes
- Fiber connectors for industrial applications

Contact us today for fast and efficient response.



INDEX

1 1	SECTION 1	
	Connectors M12x1 with overmoulded cable	
	Nomenclature – Technical Data	1 2
	Female/male connectors standard	1 4
	Female connectors with LED	1 14
	Female/male connectors, shielded	1 16
	Connecting cables standard	1 20
	Connecting cables with LED	1 32
	Connecting cables, shielded	1 34
	Connecting cables M12 - M8x1	1 36
2 1	SECTION 2	
	Connectors M12x1 field-attachable	
	Nomenclature – Technical Data	2 2
	Field-attachable variants standard	2 4
	Field-attachable variants, shielded	2 12
3 1	SECTION 3	
	Sockets M12x1	
	Nomenclature – Technical Data	3 2
	Sockets standard	3 4
	Sockets, for assembly on printing board	3 20
4 1	SECTION 4	
	Junction systems M12x1/M8x1	
	Nomenclature – Technical Data	4 2
	Y-splitter M12x1/M8x1	4 6
	Junction boxes M12x1	4 10
	Junction boxes M8x1	4 14
5 1	SECTION 5	
	Connectors M12x1 for special applications	
	Nomenclature – Technical Data	5 2
	Female/male connectors High Temperature	5 8
	Connecting cables High Temperature	5 12
	Sockets High Temperature	5 14
	Female/male connectors Food&Beverage	5 22
	Female connectors Food&Beverage with LED	5 26
	Connecting cables Food&Beverage	5 28
	Sockets Food&Beverage	5 32
	Junction systems Food&Beverage	5 36
6 1	SECTION 6	
	Connectors M12x1 for bus systems	
	Nomenclature – Technical Data	6 2
	Female/male connectors Profibus DP	6 12
	Connecting cables Profibus DP	6 14
	Y-splitter Profibus DP	6 15
	Field-attachable variants	6 16
	Sockets Profibus DP standard	6 20
	Sockets Profibus DP, for assembly on printing board	6 28
	Connecting cables Profibus DP, special versions	6 40
	SUB-D	6 43
	Male connectors Industrial Ethernet	6 46
	Connecting cables Industrial Ethernet	6 47
	Sockets Industrial Ethernet standard	6 48
	Sockets Industrial Ethernet for assembly on printing board	6 52

7 1	SECTION 7 Connectors M8x1/Ø8mm _____ Nomenclature – Technical Data _____ Female/male connectors M8x1 _____ Female/male connectors Ø8mm _____ Connecting cables _____		7 2 7 4 7 8 7 12
8 1	SECTION 8 Connectors 7/8" _____ Nomenclature – Technical Data _____ Female/male connectors _____ Connecting cables _____ Field-attachable variants _____		8 2 8 6 8 14 8 22
9 1	SECTION 9 Connectors Rund24 _____ Nomenclature – Technical Data _____ Connecting cables _____ Field-attachable variants _____		9 2 9 6 9 10
10 1	SECTION 10 Valveplugs _____ Nomenclature – Technical Data _____ Valve plugs _____		10 2 10 4
11 1	SECTION 11 Accessories/Cable matrix/Technical information _____		11 1
12 1	SECTION 12 Index numeric _____		12 2



SECTION 1

CONNECTORS M12X1 WITH OVERMOULDED CABLE _____





M12 x 1 circular connectors of the Sensor Actor Line from CONEC are used to connect a distributor box and a sensor.

They provide innovative connection technology fulfilling the requirements of protection class IP 67. It comes in a standard program with moulded versions – naturally with anti-vibration locking and they come in various cable lengths and quality.

Components with 2 or 3 LEDs indicate operating voltage and/or the switching status.

When it gets really tough: Shielded connectors from CONEC protect and bypass weak signals. A uniform cable shielding ensures seamless signal transmission.

Connection cables with a combination of connectors and/or adapters can be used for nearly any cabling application.



SAL M12X1 CONNECTORS OVERERMOUNDED

Nomenclature

S	A	L	-	1	2	-	R	K	W	4	-	3	L	-	3	/	A	1
SAL Sensor Actor Line				12 Installation size			R Building	K Configuration	W Building	4 Number of poles		3L LED-display-Display	3 Cable length	L Cable quality	3	/	A	1
				= M12x1														
Coding S = A-coding shielded							R Building	K Configuration	W Building	4 Number of poles		3L LED-display-Display	3 Cable length	L Cable quality	3	/	A	1
Configuration K = Female connector S = Male connector							R Building	K Configuration	W Building	4 Number of poles		3L LED-display-Display	3 Cable length	L Cable quality	3	/	A	1
Building R = Circular connector							R Building	K Configuration	W Building	4 Number of poles		3L LED-display-Display	3 Cable length	L Cable quality	3	/	A	1
Configuration K = Female connector S = Male connector							R Building	K Configuration	W Building	4 Number of poles		3L LED-display-Display	3 Cable length	L Cable quality	3	/	A	1
Building R = Axial W = Angled							R Building	K Configuration	W Building	4 Number of poles		3L LED-display-Display	3 Cable length	L Cable quality	3	/	A	1
Number of poles 3 = 3-pos 4 = 4-pos 5 = 5-pos 6 = 6-pos 8 = 8-pos 12 = 12-pos							R Building	K Configuration	W Building	4 Number of poles		3L LED-display-Display	3 Cable length	L Cable quality	3	/	A	1
LED-display-Display 2L = 2 LED-display 3L = 3 LED-display							R Building	K Configuration	W Building	4 Number of poles		3L LED-display-Display	3 Cable length	L Cable quality	3	/	A	1
Cable length XX = Length [m]							R Building	K Configuration	W Building	4 Number of poles		3L LED-display-Display	3 Cable length	L Cable quality	3	/	A	1
Cable quality A1 = PVC, grey A3 = PVC, grey, UL G2 = TPU, black, shielded, UL G3 = PVC, grey, shielded, UL J1 = TPU, orange, irradiated, halogenfree, UL K1 = TPU, black, high flexible, halogenfree, UL							R Building	K Configuration	W Building	4 Number of poles		3L LED-display-Display	3 Cable length	L Cable quality	3	/	A	1

SAL M12X1 CONNECTORS OVERERMOUNDED

Technical Data

Basic material	
Contact	CuZn
Contact plating	Nickel-plated, gold-plated
Contact carrier	TPU GF, UL 94
Moulding body standard configuration	TPU, UL 94, grey
Moulding body LED-display configuration	TPU, UL 94, transluzent
Sealing	FPM
Coupling nut/-screw	CuZn, nickel-plated

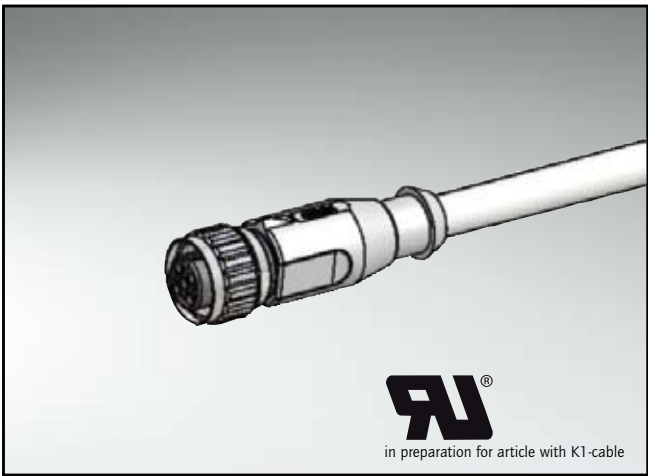
Information on the following pages are basing on below mentioned IEC-standards.

Rated voltage	IEC 61076-2-101
Current rating	IEC 61076-2-101
Insulation resistance	IEC 60512-2
Pollution degree	IEC 60664-1
Degree of protection	IEC 60529
Temperature range	IEC 60664-1
Mating cycles	IEC 61076-2-101

Technical subject to change without notice.

SAL M12X1 CONNECTORS

Female connector, axial



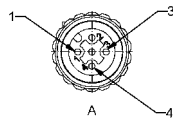
TECHNICAL DATA

Rated voltage	3-pos 250V	4-pos 250V	5-pos 60V
Current rating	4A at +40°C		
Pollution degree	3/2		
Insulation resistance	= 10 ⁹ Ω		
Degree of protection	IP67 in mated condition		
Temperature range	-30°C to +80°C		
Mating cycles	<=100		

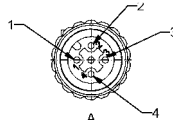
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

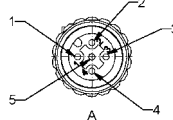
3-pos



4-pos



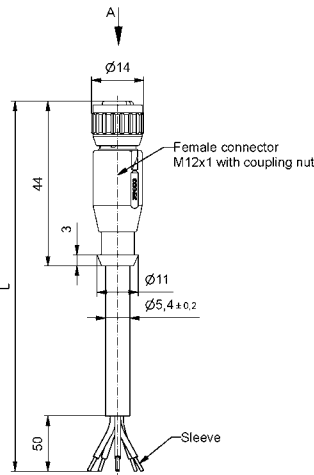
5-pos



CONTACT ASSIGNMENT 3 - 5-POS

brown	1
white	2
blue	3
black	4
green-yellow	5

DIMENSION DRAWING



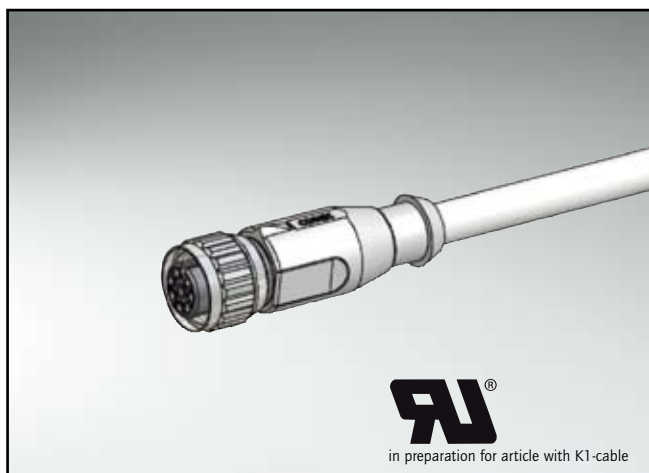
ORDER DATA

Cable	Length/L	Description	3-pos Part-no.	Description	4-pos Part-no.	Description	5-pos Part-no.
PVC, grey LiYY 0,34mm ²	2m	SAL-12-RK3-2/A1	43-10000	SAL-12-RK4-2/A1	43-10020	SAL-12-RK5-2/A1	43-10040
	3m	SAL-12-RK3-3/A1	43-10001	SAL-12-RK4-3/A1	43-10021	SAL-12-RK5-3/A1	43-10041
	5m	SAL-12-RK3-5/A1	43-10002	SAL-12-RK4-5/A1	43-10022	SAL-12-RK5-5/A1	43-10042
	10m	SAL-12-RK3-10/A1	43-10003	SAL-12-RK4-10/A1	43-10023	SAL-12-RK5-10/A1	43-10043
TPU, high flexible halogenfree, UL black Li9Y11Y 0,34mm ²	2m	SAL-12-RK3-2/K1	43-10012	SAL-12-RK4-2/K1	43-10032	SAL-12-RK5-2/K1	43-10052
	3m	SAL-12-RK3-3/K1	43-10013	SAL-12-RK4-3/K1	43-10033	SAL-12-RK5-3/K1	43-10053
	5m	SAL-12-RK3-5/K1	43-10014	SAL-12-RK4-5/K1	43-10034	SAL-12-RK5-5/K1	43-10054
	10m	SAL-12-RK3-10/K1	43-10015	SAL-12-RK4-10/K1	43-10035	SAL-12-RK5-10/K1	43-10055
TPU, irradiated halogenfree, UL orange Li9Y11X 0,34mm ²	2m	SAL-12-RK3-2/J1	43-10016	SAL-12-RK4-2/J1	43-10036	SAL-12-RK5-2/J1	43-10056
	3m	SAL-12-RK3-3/J1	43-10017	SAL-12-RK4-3/J1	43-10037	SAL-12-RK5-3/J1	43-10057
	5m	SAL-12-RK3-5/J1	43-10018	SAL-12-RK4-5/J1	43-10038	SAL-12-RK5-5/J1	43-10058
	10m	SAL-12-RK3-10/J1	43-10019	SAL-12-RK4-10/J1	43-10039	SAL-12-RK5-10/J1	43-10059

For custom length or quality levels contact factory.

SAL M12X1 CONNECTORS

Female connector, axial



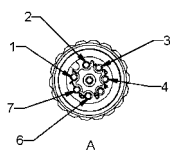
TECHNICAL DATA

Rated voltage	6-pos 30V	8-pos 30V
Current rating	2A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +80°C	
Mating cycles	<=100	

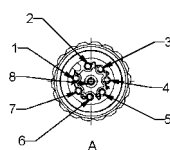
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PIN CONFIGURATION

6-pos



8-pos



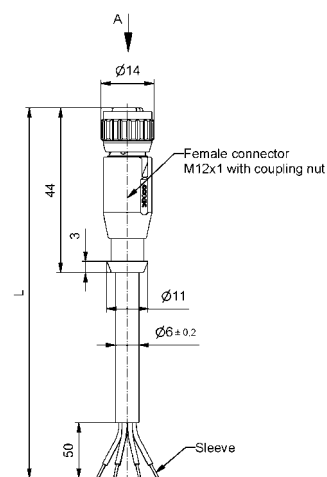
CONTACT ASSIGNMENT 6-POS

brown	1	n.c.	5
white	2	grey	6
blue	3	pink	7
black	4	n.c.	8

CONTACT ASSIGNMENT 8-POS

white	1	grey	5
brown	2	pink	6
green	3	blue	7
yellow	4	red	8

DIMENSION DRAWING



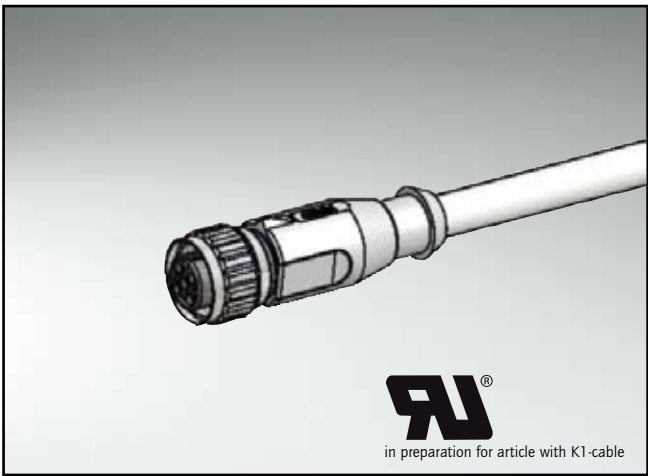
ORDER DATA

Cable	Length/L	Description	6-pos Part-no.	Description	8-pos Part-no.
PVC, grey LiYY 0,25mm ²	2m	SAL-12-RK6-2/A1	43-10060	SAL-12-RK8-2/A1	43-10072
	3m	SAL-12-RK6-3/A1	43-10061	SAL-12-RK8-3/A1	43-10073
	5m	SAL-12-RK6-5/A1	43-10062	SAL-12-RK8-5/A1	43-10074
	10m	SAL-12-RK6-10/A1	43-10063	SAL-12-RK8-10/A1	43-10075
TPU, high flexible halogenfree, UL black Li9Y11Y 0,25mm ²	2m	SAL-12-RK6-2/K1	43-11038	SAL-12-RK8-2/K1	43-11034
	3m	SAL-12-RK6-3/K1	43-11039	SAL-12-RK8-3/K1	43-11035
	5m	SAL-12-RK6-5/K1	43-11040	SAL-12-RK8-5/K1	43-11036
	10m	SAL-12-RK6-10/K1	43-11041	SAL-12-RK8-10/K1	43-11037

For custom length or quality levels contact factory.

SAL M12X1 CONNECTORS

Female connector, axial



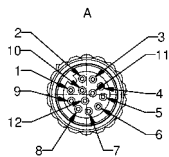
TECHNICAL DATA

Rated voltage	12-pos 30V
Current rating	1,5A at +40°C
Pollution degree	3/2
Insulation resistance	= 10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	-30°C to +80°C
Mating cycles	<=100

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PIN CONFIGURATION

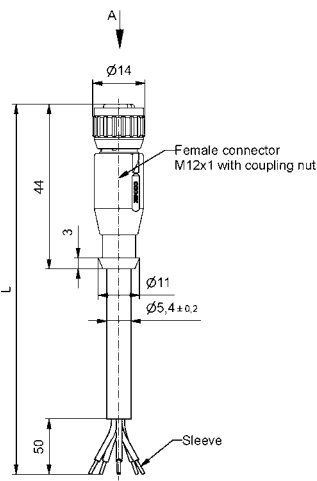
12-pos



CONTACT ASSIGNMENT 12-POS

brown	1	black	7
blue	2	grey	8
white	3	red	9
green	4	violet	10
pink	5	grey-pink	11
yellow	6	red-blue	12

DIMENSION DRAWING



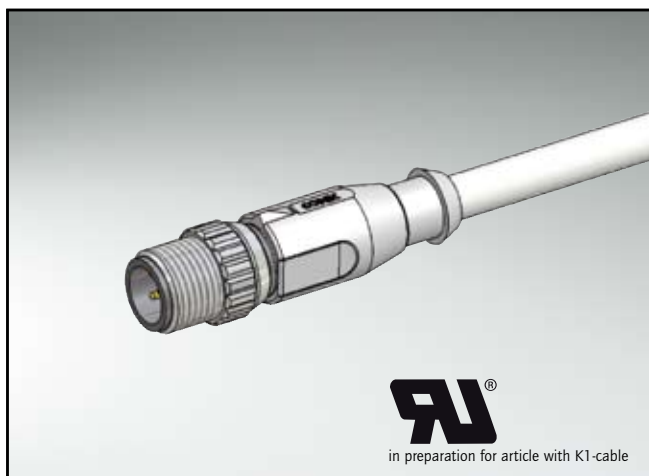
ORDER DATA

Cable	Length/L	Description	12-pos Part-no.
PVC, UL	2m	SAL-12-RK12-2/A3	43-11264
grey	3m	SAL-12-RK12-3/A3	43-11265
LiYY 0,14mm²	5m	SAL-12-RK12-5/A3	43-11266
	10m	SAL-12-RK12-10/A3	43-11267
TPU, high flexible	2m	SAL-12-RK12-2/K1	43-11268
halogenfree, UL	3m	SAL-12-RK12-3/K1	43-11269
black	5m	SAL-12-RK12-5/K1	43-11270
Li9Y11Y 0,14mm²	10m	SAL-12-RK12-10/K1	43-11271

For custom length or quality levels contact factory.

SAL M12X1 CONNECTORS

Male connector, axial



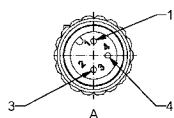
TECHNICAL DATA

Rated voltage	3-pos 250V	4-pos 250V	5-pos 60V
Current rating	4A at +40°C		
Pollution degree	3/2		
Insulation resistance	= 10 ⁹ Ω		
Degree of protection	IP67 in mated condition		
Temperature range	-30°C to +80°C		
Mating cycles	<=100		

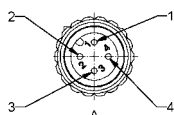
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"RoHS"
Compliant

PIN CONFIGURATION

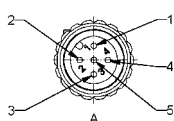
3-pos



4-pos



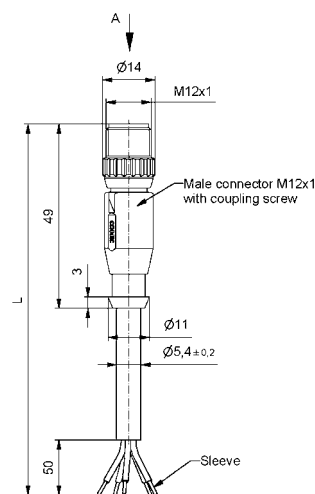
5-pos



CONTACT ASSIGNMENT 3 - 5-POS

brown	1
white	2
blue	3
black	4
green-yellow	5

DIMENSION DRAWING



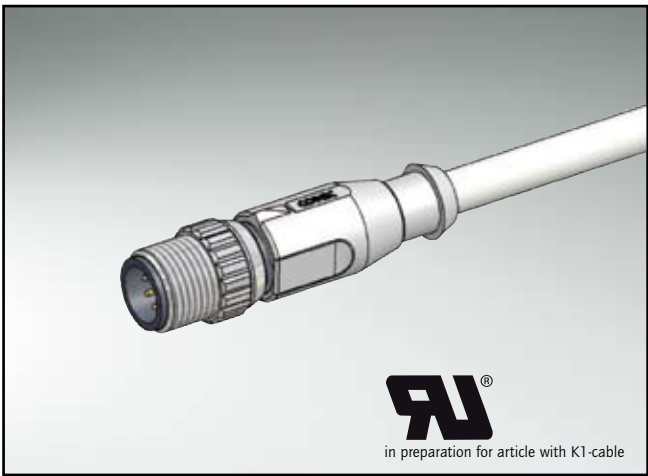
ORDER DATA

Cable	Length/L	Description	3-pos Part-no.	Description	4-pos Part-no.	Description	5-pos Part-no.
PVC, grey LiYY 0,34mm ²	2m	SAL-12-RS3-2/A1	43-10084	SAL-12-RS4-2/A1	43-10104	SAL-12-RS5-2/A1	43-10124
	3m	SAL-12-RS3-3/A1	43-10085	SAL-12-RS4-3/A1	43-10105	SAL-12-RS5-3/A1	43-10125
	5m	SAL-12-RS3-5/A1	43-10086	SAL-12-RS4-5/A1	43-10106	SAL-12-RS5-5/A1	43-10126
	10m	SAL-12-RS3-10/A1	43-10087	SAL-12-RS4-10/A1	43-10107	SAL-12-RS5-10/A1	43-10127
TPU, high flexible halogenfree, UL black Li9Y11Y 0,34mm ²	2m	SAL-12-RS3-2/K1	43-10096	SAL-12-RS4-2/K1	43-10116	SAL-12-RS5-2/K1	43-10136
	3m	SAL-12-RS3-3/K1	43-10097	SAL-12-RS4-3/K1	43-10117	SAL-12-RS5-3/K1	43-10137
	5m	SAL-12-RS3-5/K1	43-10098	SAL-12-RS4-5/K1	43-10118	SAL-12-RS5-5/K1	43-10138
	10m	SAL-12-RS3-10/K1	43-10099	SAL-12-RS4-10/K1	43-10119	SAL-12-RS5-10/K1	43-10139
TPU, irradiated halogenfree, UL orange Li9Y11X 0,34mm ²	2m	SAL-12-RS3-2/J1	43-10100	SAL-12-RS4-2/J1	43-10120	SAL-12-RS5-2/J1	43-10140
	3m	SAL-12-RS3-3/J1	43-10101	SAL-12-RS4-3/J1	43-10121	SAL-12-RS5-3/J1	43-10141
	5m	SAL-12-RS3-5/J1	43-10102	SAL-12-RS4-5/J1	43-10122	SAL-12-RS5-5/J1	43-10142
	10m	SAL-12-RS3-10/J1	43-10103	SAL-12-RS4-10/J1	43-10123	SAL-12-RS5-10/J1	43-10143

For custom length or quality levels contact factory.

SAL M12X1 CONNECTORS

Male connector, axial



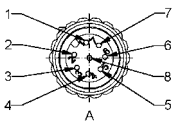
TECHNICAL DATA

Rated voltage	6-pos 30V	8-pos 30V
Current rating	2A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +80°C	
Mating cycles	<=100	

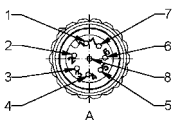
Directive 2002 95 EC
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Compliant

PIN CONFIGURATION

6-pos



8-pos



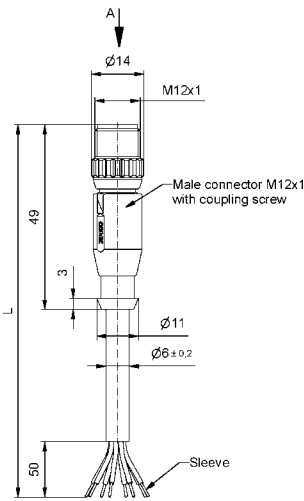
CONTACT ASSIGNMENT 6-POS

brown	1	n.c.	5
white	2	grey	6
blue	3	pink	7
black	4	n.c.	8

CONTACT ASSIGNMENT 8-POS

white	1	grey	5
brown	2	pink	6
green	3	blue	7
yellow	4	red	8

DIMENSION DRAWING



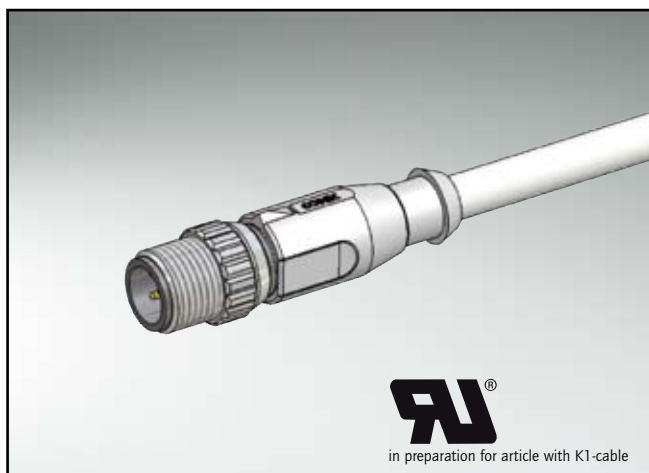
ORDER DATA

Cable	Length/L	Description	6-pos Part-no.	Description	8-pos Part-no.
PVC, grey LiYY 0,25mm ²	2m	SAL-12-RS6-2/A1	43-10144	SAL-12-RS8-2/A1	43-10156
	3m	SAL-12-RS6-3/A1	43-10145	SAL-12-RS8-3/A1	43-10157
	5m	SAL-12-RS6-5/A1	43-10146	SAL-12-RS8-5/A1	43-10158
	10m	SAL-12-RS6-10/A1	43-10147	SAL-12-RS8-10/A1	43-10159
TPU, high flexible halogenfree, UL black Li9Y11Y 0,25mm ²	2m	SAL-12-RS6-2/K1	43-11058	SAL-12-RS8-2/K1	43-11062
	3m	SAL-12-RS6-3/K1	43-11059	SAL-12-RS8-3/K1	43-11063
	5m	SAL-12-RS6-5/K1	43-11060	SAL-12-RS8-5/K1	43-11064
	10m	SAL-12-RS6-10/K1	43-11061	SAL-12-RS8-10/K1	43-11065

For custom length or quality levels contact factory.

SAL M12X1 CONNECTORS

Male connector, axial



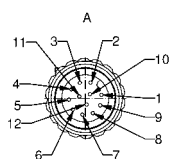
TECHNICAL DATA

Rated voltage	12-pos 30V
Current rating	1,5A at +40°C
Pollution degree	3/2
Insulation resistance	= 10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	-30°C to +80°C
Mating cycles	<=100

Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

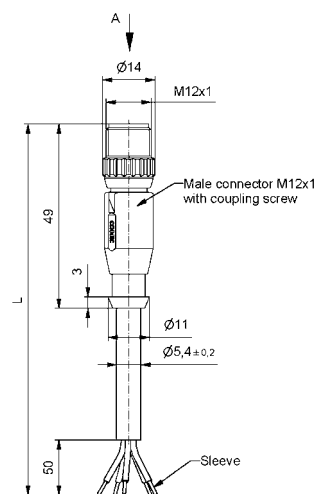
12-pos



CONTACT ASSIGNMENT 12-POS

brown	1	black	7
blue	2	grey	8
white	3	red	9
green	4	violet	10
pink	5	grey-pink	11
yellow	6	red-blue	12

DIMENSION DRAWING



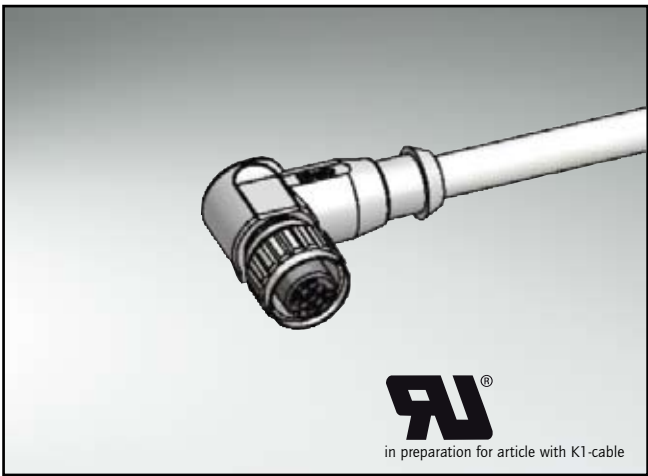
ORDER DATA

Cable	Length/L	Description	12-pos Part-no.
PVC, UL	2m	SAL-12-RS12-2/A3	43-11272
grey	3m	SAL-12-RS12-3/A3	43-11273
LiYY 0,14mm ²	5m	SAL-12-RS12-5/A3	43-11274
	10m	SAL-12-RS12-10/A3	43-11275
TPU, high flexible	2m	SAL-12-RS12-2/K1	43-11276
halogenfree, UL	3m	SAL-12-RS12-3/K1	43-11277
black	5m	SAL-12-RS12-5/K1	43-11278
Li9Y11Y 0,14mm ²	10m	SAL-12-RS12-10/K1	43-11279

For custom length or quality levels contact factory.

SAL M12X1 CONNECTORS

Female connector, angled



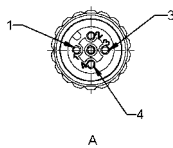
TECHNICAL DATA

Rated voltage	3-pos 250V	4-pos 250V	5-pos 60V
Current rating	4A at +40°C		
Pollution degree	3/2		
Insulation resistance	=10 ⁹ Ω		
Degree of protection	IP67 in mated condition		
Temperature range	-30°C to +80°C		
Mating cycles	<=100		

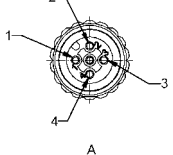
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

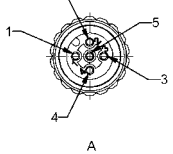
3-pos



4-pos



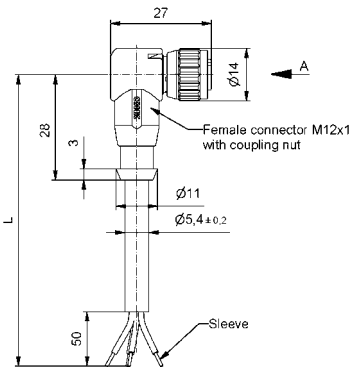
5-pos



CONTACT ASSIGNMENT 3 - 5-POS

brown	1
white	2
blue	3
black	4
green-yellow	5

DIMENSION DRAWING



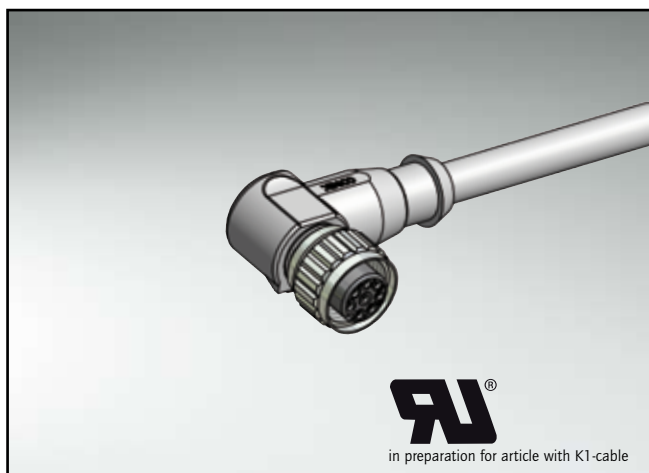
ORDER DATA

Cable	Length/L	Description	3-pos Part-no.	Description	4-pos Part-no.	Description	5-pos Part-no.
PVC, grey LiYY 0,34mm ²	2m	SAL-12-RKW3-2/A1	43-10168	SAL-12-RKW4-2/A1	43-10188	SAL-12-RKW5-2/A1	43-10208
	3m	SAL-12-RKW3-3/A1	43-10169	SAL-12-RKW4-3/A1	43-10189	SAL-12-RKW5-3/A1	43-10209
	5m	SAL-12-RKW3-5/A1	43-10170	SAL-12-RKW4-5/A1	43-10190	SAL-12-RKW5-5/A1	43-10210
	10m	SAL-12-RKW3-10/A1	43-10171	SAL-12-RKW4-10/A1	43-10191	SAL-12-RKW5-10/A1	43-10211
TPU, high flexible halogenfree, UL black Li9Y11Y 0,34mm ²	2m	SAL-12-RKW3-2/K1	43-10180	SAL-12-RKW4-2/K1	43-10200	SAL-12-RKW5-2/K1	43-10220
	3m	SAL-12-RKW3-3/K1	43-10181	SAL-12-RKW4-3/K1	43-10201	SAL-12-RKW5-3/K1	43-10221
	5m	SAL-12-RKW3-5/K1	43-10182	SAL-12-RKW4-5/K1	43-10202	SAL-12-RKW5-5/K1	43-10222
	10m	SAL-12-RKW3-10/K1	43-10183	SAL-12-RKW4-10/K1	43-10203	SAL-12-RKW5-10/K1	43-10223
TPU, irradiated halogenfree, UL orange Li9Y11X 0,34mm ²	2m	SAL-12-RKW3-2/J1	43-10184	SAL-12-RKW4-2/J1	43-10204	SAL-12-RKW5-2/J1	43-10224
	3m	SAL-12-RKW3-3/J1	43-10185	SAL-12-RKW4-3/J1	43-10205	SAL-12-RKW5-3/J1	43-10225
	5m	SAL-12-RKW3-5/J1	43-10186	SAL-12-RKW4-5/J1	43-10206	SAL-12-RKW5-5/J1	43-10226
	10m	SAL-12-RKW3-10/J1	43-10187	SAL-12-RKW4-10/J1	43-10207	SAL-12-RKW5-10/J1	43-10227

For custom length or quality levels contact factory.

SAL M12X1 CONNECTORS

Female connector, angled



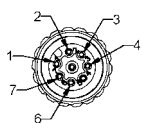
TECHNICAL DATA

Rated voltage	6-pos 30V	8-pos 30V
Current rating	2A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +80°C	
Mating cycles	<=100	

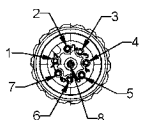
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

6-pos



8-pos



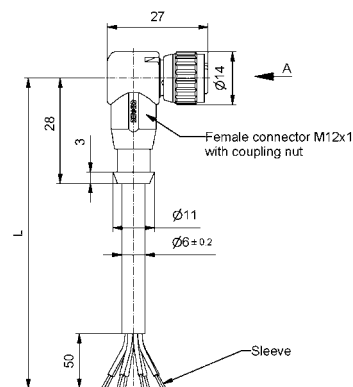
CONTACT ASSIGNMENT 6-POS

brown	1	n.c.	5
white	2	grey	6
blue	3	pink	7
black	4	n.c.	8

CONTACT ASSIGNMENT 8-POS

white	1	grey	5
brown	2	pink	6
green	3	blue	7
yellow	4	red	8

DIMENSION DRAWING



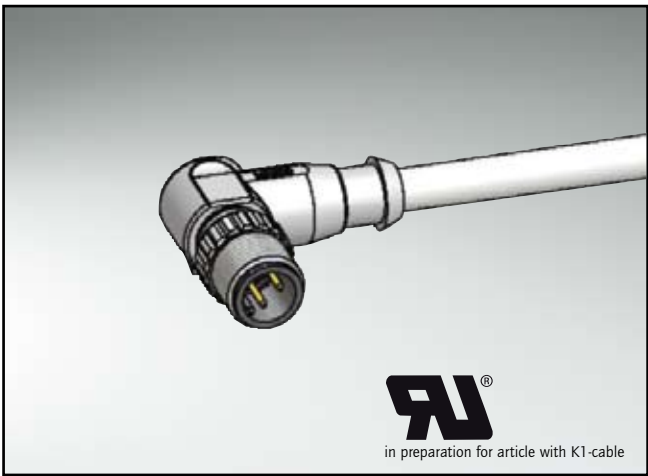
ORDER DATA

Cable	Length/L	Description	6-pos Part-no.	Description	8-pos Part-no.
PVC, grey LiYY 0,25mm ²	2m	SAL-12-RKW6-2/A1	43-10228	SAL-12-RKW8-2/A1	43-10240
	3m	SAL-12-RKW6-3/A1	43-10229	SAL-12-RKW8-3/A1	43-10241
	5m	SAL-12-RKW6-5/A1	43-10230	SAL-12-RKW8-5/A1	43-10242
	10m	SAL-12-RKW6-10/A1	43-10231	SAL-12-RKW8-10/A1	43-10243
TPU, high flexible halogenfree, UL black Li9Y11Y 0,25mm ²	2m	SAL-12-RKW6-2/K1	43-11046	SAL-12-RKW8-2/K1	43-11050
	3m	SAL-12-RKW6-3/K1	43-11047	SAL-12-RKW8-3/K1	43-11051
	5m	SAL-12-RKW6-5/K1	43-11048	SAL-12-RKW8-5/K1	43-11052
	10m	SAL-12-RKW6-10/K1	43-11049	SAL-12-RKW8-10/K1	43-11053

For custom length or quality levels contact factory.

SAL M12X1 CONNECTORS

Male connector, angled



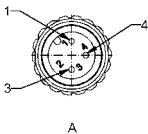
TECHNICAL DATA

Rated voltage	3-pos 250V	4-pos 250V	5-pos 60V
Current rating	4A at +40°C		
Pollution degree	3/2		
Insulation resistance	= 10 ⁹ Ω		
Degree of protection	IP67 in mated condition		
Temperature range	-30°C to +80°C		
Mating cycles	<=100		

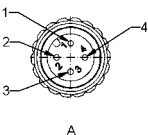
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

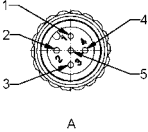
3-pos



4-pos



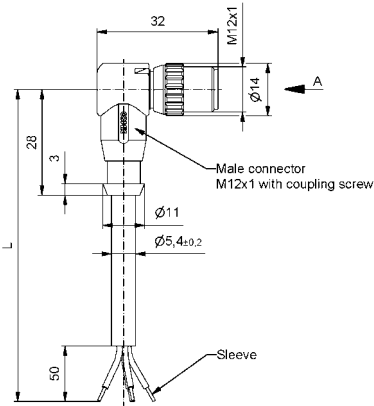
5-pos



CONTACT ASSIGNMENT 3 - 5-POS

brown	1
white	2
blue	3
black	4
green-yellow	5

DIMENSION DRAWING



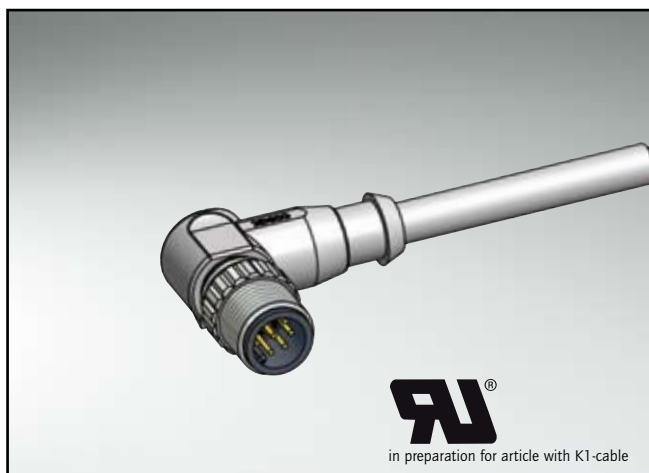
ORDER DATA

Cable	Length/L	Description	3-pos Part-no.	Description	4-pos Part-no.	Description	5-pos Part-no.
PVC, grey LiYY 0,34mm ²	2m	SAL-12-RSW3-2/A1	43-10252	SAL-12-RSW4-2/A1	43-10272	SAL-12-RSW5-2/A1	43-10292
	3m	SAL-12-RSW3-3/A1	43-10253	SAL-12-RSW4-3/A1	43-10273	SAL-12-RSW5-3/A1	43-10293
	5m	SAL-12-RSW3-5/A1	43-10254	SAL-12-RSW4-5/A1	43-10274	SAL-12-RSW5-5/A1	43-10294
	10m	SAL-12-RSW3-10/A1	43-10255	SAL-12-RSW4-10/A1	43-10275	SAL-12-RSW5-10/A1	43-10295
TPU, high flexible halogenfree, UL black Li9Y11Y 0,34mm ²	2m	SAL-12-RSW3-2/K1	43-10264	SAL-12-RSW4-2/K1	43-10284	SAL-12-RSW5-2/K1	43-10304
	3m	SAL-12-RSW3-3/K1	43-10265	SAL-12-RSW4-3/K1	43-10285	SAL-12-RSW5-3/K1	43-10305
	5m	SAL-12-RSW3-5/K1	43-10266	SAL-12-RSW4-5/K1	43-10286	SAL-12-RSW5-5/K1	43-10306
	10m	SAL-12-RSW3-10/K1	43-10267	SAL-12-RSW4-10/K1	43-10287	SAL-12-RSW5-10/K1	43-10307
TPU, irradiated halogenfree, UL orange Li9Y11X 0,34mm ²	2m	SAL-12-RSW3-2/J1	43-10268	SAL-12-RSW4-2/J1	43-10288	SAL-12-RSW5-2/J1	43-10308
	3m	SAL-12-RSW3-3/J1	43-10269	SAL-12-RSW4-3/J1	43-10289	SAL-12-RSW5-3/J1	43-10309
	5m	SAL-12-RSW3-5/J1	43-10270	SAL-12-RSW4-5/J1	43-10290	SAL-12-RSW5-5/J1	43-10310
	10m	SAL-12-RSW3-10/J1	43-10271	SAL-12-RSW4-10/J1	43-10291	SAL-12-RSW5-10/J1	43-10311

For custom length or quality levels contact factory.

SAL M12X1 CONNECTORS

Male connector, angled



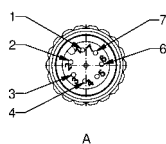
TECHNICAL DATA

Rated voltage	6-pos 30V	8-pos 30V
Current rating	2A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +80°C	
Mating cycles	<=100	

Directive 2002 95 EC
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PIN CONFIGURATION

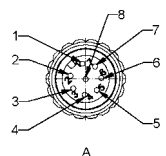
6-pos



CONTACT ASSIGNMENT 6-POS

brown	1	n.c.	5
white	2	grey	6
blue	3	pink	7
black	4	n.c.	8

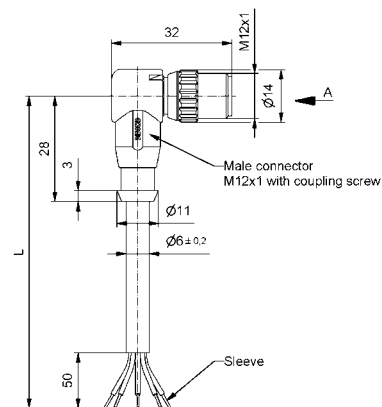
8-pos



CONTACT ASSIGNMENT 8-POS

white	1	grey	5
brown	2	pink	6
green	3	blue	7
yellow	4	red	8

DIMENSION DRAWING



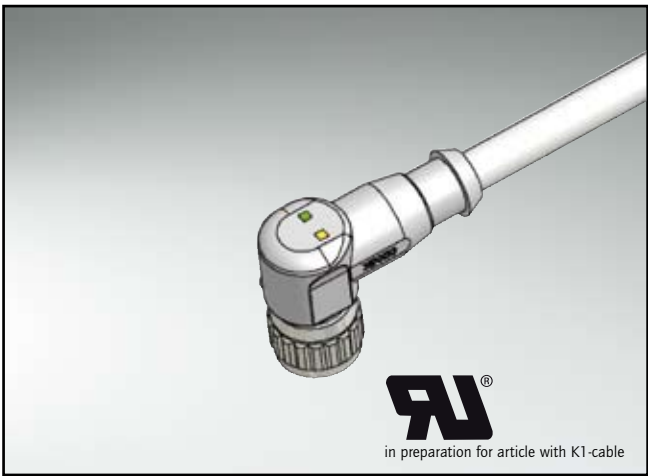
ORDER DATA

Cable	Length/L	Description	6-pos Part-no.	Description	8-pos Part-no.
PVC, grey LiYY 0,25mm ²	2m	SAL-12-RSW6-2/A1	43-10312	SAL-12-RSW8-2/A1	43-10324
	3m	SAL-12-RSW6-3/A1	43-10313	SAL-12-RSW8-3/A1	43-10325
	5m	SAL-12-RSW6-5/A1	43-10314	SAL-12-RSW8-5/A1	43-10326
	10m	SAL-12-RSW6-10/A1	43-10315	SAL-12-RSW8-10/A1	43-10327
TPU, high flexible halogenfree, UL black Li9Y11Y 0,25mm ²	2m	SAL-12-RSW6-2/K1	43-11042	SAL-12-RSW8-2/K1	43-11030
	3m	SAL-12-RSW6-3/K1	43-11043	SAL-12-RSW8-3/K1	43-11031
	5m	SAL-12-RSW6-5/K1	43-11044	SAL-12-RSW8-5/K1	43-11032
	10m	SAL-12-RSW6-10/K1	43-11045	SAL-12-RSW8-10/K1	43-11033

For custom length or quality levels contact factory.

SAL M12X1 CONNECTORS

Female connector, angled with 2-Indicators LED-display



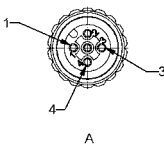
TECHNICAL DATA

Rated voltage	3-pos 30V	5-pos 30V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +80°C	
Mating cycles	<=100	

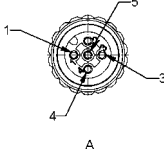
Directive 2002 95 EC
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PIN CONFIGURATION

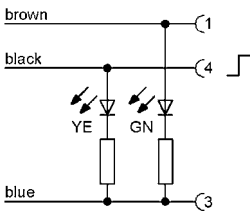
3-pos



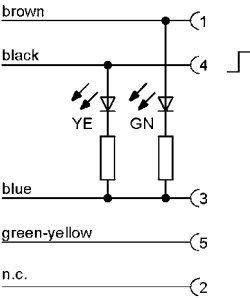
5-pos



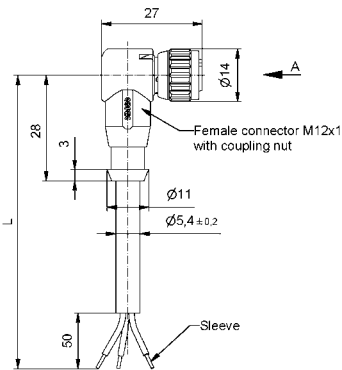
CONTACT ASSIGNMENT 3-POS



CONTACT ASSIGNMENT 5-POS



DIMENSION DRAWING



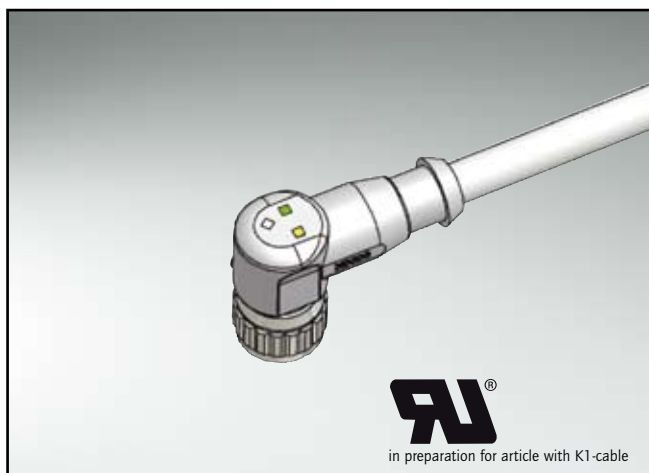
ORDER DATA

Cable	Length/L	Description	3-pos Part-no.	Description	5-pos Part-no.
PVC, grey LiYY 0,34mm ²	2m	SAL-12-RKW3-2L-2/A1	43-10368	SAL-12-RKW5.2-2L-2/A1	43-10380
	3m	SAL-12-RKW3-2L-3/A1	43-10369	SAL-12-RKW5.2-2L-3/A1	43-10381
	5m	SAL-12-RKW3-2L-5/A1	43-10370	SAL-12-RKW5.2-2L-5/A1	43-10382
	10m	SAL-12-RKW3-2L-10/A1	43-10371	SAL-12-RKW5.2-2L-10/A1	43-10383
TPU, high flexible halogenfree, UL black Li9Y11Y 0,34mm ²	2m	SAL-12-RKW3-2L-2/K1	43-10868	SAL-12-RKW5.2-2L-2/K1	43-10876
	3m	SAL-12-RKW3-2L-3/K1	43-10869	SAL-12-RKW5.2-2L-3/K1	43-10877
	5m	SAL-12-RKW3-2L-5/K1	43-10870	SAL-12-RKW5.2-2L-5/K1	43-10878
	10m	SAL-12-RKW3-2L-10/K1	43-10871	SAL-12-RKW5.2-2L-10/K1	43-10879
TPU, irradiated halogenfree, UL orange Li9Y11X 0,34mm ²	2m	SAL-12-RKW3-2L-2/J1	43-10872	SAL-12-RKW5.2-2L-2/J1	43-10880
	3m	SAL-12-RKW3-2L-3/J1	43-10873	SAL-12-RKW5.2-2L-3/J1	43-10881
	5m	SAL-12-RKW3-2L-5/J1	43-10874	SAL-12-RKW5.2-2L-5/J1	43-10882
	10m	SAL-12-RKW3-2L-10/J1	43-10875	SAL-12-RKW5.2-2L-10/J1	43-10883

For custom length or quality levels contact factory.

SAL M12X1 CONNECTORS

Female connector, angled with 3-Indicators LED-display



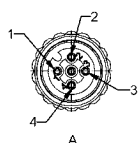
TECHNICAL DATA

Rated voltage	4-pos 30V	5-pos 30V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +80°C	
Mating cycles	<=100	

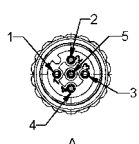
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

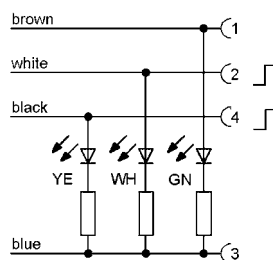
4-pos



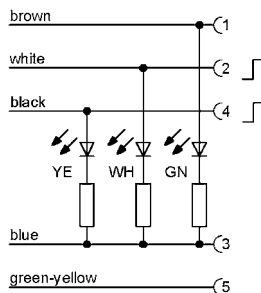
5-pos



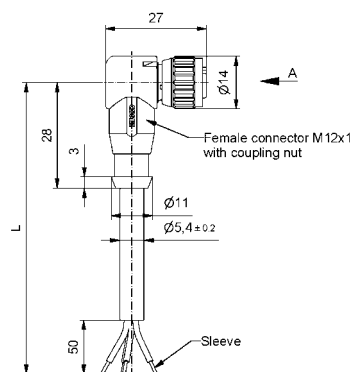
CONTACT ASSIGNMENT 4-POS



CONTACT ASSIGNMENT 5-POS



DIMENSION DRAWING



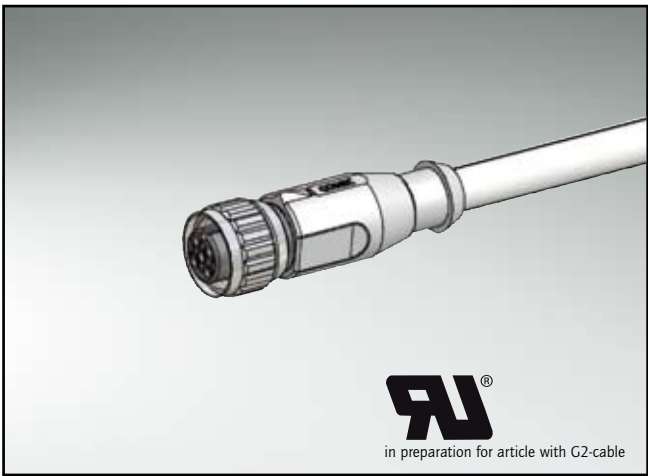
ORDER DATA

Cable	Length/L	Description	4-pos Part-no.	Description	5-pos Part-no.
PVC, grey LiYY 0,34mm ²	2m	SAL-12-RKW4-3L-2/A1	43-10424	SAL-12-RKW5-3L-2/A1	43-10444
	3m	SAL-12-RKW4-3L-3/A1	43-10425	SAL-12-RKW5-3L-3/A1	43-10445
	5m	SAL-12-RKW4-3L-5/A1	43-10426	SAL-12-RKW5-3L-5/A1	43-10446
	10m	SAL-12-RKW4-3L-10/A1	43-10427	SAL-12-RKW5-3L-10/A1	43-10447
TPU, high flexible halogenfree, UL black Li9Y11Y 0,34mm ²	2m	SAL-12-RKW4-3L-2/K1	43-10436	SAL-12-RKW5-3L-2/K1	43-10456
	3m	SAL-12-RKW4-3L-3/K1	43-10437	SAL-12-RKW5-3L-3/K1	43-10457
	5m	SAL-12-RKW4-3L-5/K1	43-10438	SAL-12-RKW5-3L-5/K1	43-10458
	10m	SAL-12-RKW4-3L-10/K1	43-10439	SAL-12-RKW5-3L-10/K1	43-10459
TPU, irradiated halogenfree, UL orange Li9Y11X 0,34mm ²	2m	SAL-12-RKW4-3L-2/J1	43-10440	SAL-12-RKW5-3L-2/J1	43-10460
	3m	SAL-12-RKW4-3L-3/J1	43-10441	SAL-12-RKW5-3L-3/J1	43-10461
	5m	SAL-12-RKW4-3L-5/J1	43-10442	SAL-12-RKW5-3L-5/J1	43-10462
	10m	SAL-12-RKW4-3L-10/J1	43-10443	SAL-12-RKW5-3L-10/J1	43-10463

For custom length or quality levels contact factory.

SAL M12X1 CONNECTORS

Female connector, axial with 360°-shielding



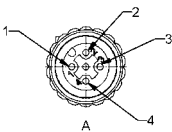
TECHNICAL DATA

Rated voltage	4-pos 160V	5-pos 60V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +80°C	
Mating cycles	<=100	

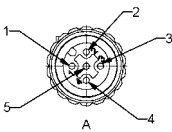
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

4-pos



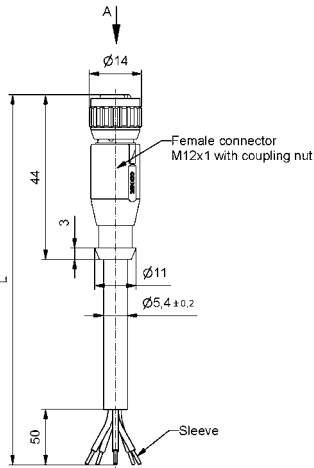
5-pos



CONTACT ASSIGNMENT 4 - 5-POS

brown	1
white	2
blue	3
black	4
grey	5
shielding coupling nut	

DIMENSION DRAWING



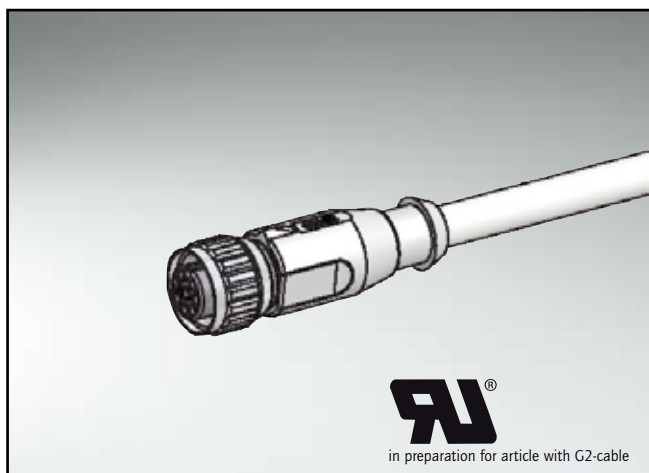
ORDER DATA

Cable	Length/L	Description	4-pos Part-no.	Description	5-pos Part-no.
PVC, UL	2m	SAL-12S-RK4-2/G3	43-10336	SAL-12S-RK5-2/G3	43-10344
grey	3m	SAL-12S-RK4-3/G3	43-10337	SAL-12S-RK5-3/G3	43-10345
at 4-pos LiYFCY 0,34mm ²	5m	SAL-12S-RK4-5/G3	43-10338	SAL-12S-RK5-5/G3	43-10346
at 5-pos LiYFCY 0,25mm ²	10m	SAL-12S-RK4-10/G3	43-10339	SAL-12S-RK5-10/G3	43-10347
TPU, high flexible	2m	SAL-12S-RK4-2/G2	43-10340	SAL-12S-RK5-2/G2	43-10348
halogenfree, UL	3m	SAL-12S-RK4-3/G2	43-10341	SAL-12S-RK5-3/G2	43-10349
black	5m	SAL-12S-RK4-5/G2	43-10342	SAL-12S-RK5-5/G2	43-10350
at 4-pos Li9YFC11Y 0,34mm ²	10m	SAL-12S-RK4-10/G2	43-10343	SAL-12S-RK5-10/G2	43-10351
at 5-pos Li9YFC11Y 0,25mm ²					

For custom length or quality levels contact factory.

SAL M12X1 CONNECTORS

Female connector, axial with 360°-shielding



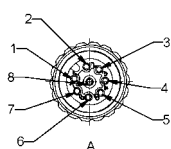
TECHNICAL DATA

Rated voltage	8-pos 30V	12-pos 30V
Current rating	8-pos: 2A at +40°C 12-pos: 1,5A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +80°C	
Mating cycles	<=100	

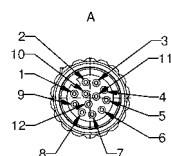
Directive 2002 95 EC
„RoHS“
Compliant

PIN CONFIGURATION

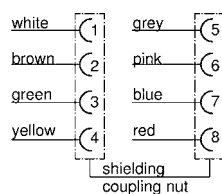
8-pos



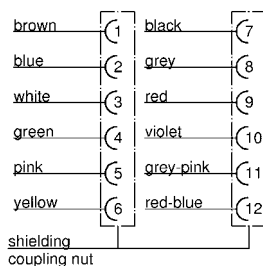
12-pos



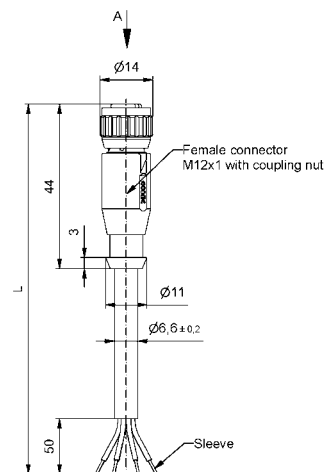
CONTACT ASSIGNMENT 8-POS



CONTACT ASSIGNMENT 12-POS



DIMENSION DRAWING



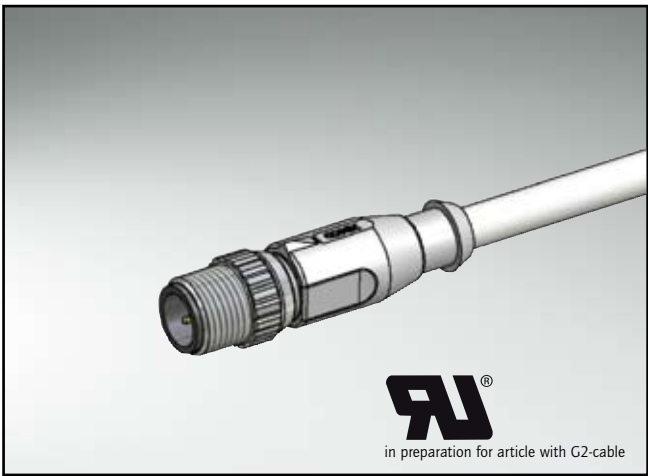
ORDER DATA

Cable	Length/L	Description	8-pos Part-no.	Description	12-pos Part-no.
PVC, UL	2m	SAL-12S-RK8-2/G3	43-10972	SAL-12S-RK12-2/G3	43-11280
grey	3m	SAL-12S-RK8-3/G3	43-10973	SAL-12S-RK12-3/G3	43-11281
at 8-pos LiYFCY 0,25mm ²	5m	SAL-12S-RK8-5/G3	43-10974	SAL-12S-RK12-5/G3	43-11282
at 12-pos LiYFCY 0,14mm ²	10m	SAL-12S-RK8-10/G3	43-10975	SAL-12S-RK12-10/G3	43-11283
TPU, high flexible	2m	SAL-12S-RK8-2/G2	43-10976	SAL-12S-RK12-2/G2	43-11284
halogenfree, UL	3m	SAL-12S-RK8-3/G2	43-10977	SAL-12S-RK12-3/G2	43-11285
black	5m	SAL-12S-RK8-5/G2	43-10978	SAL-12S-RK12-5/G2	43-11286
at 8-pos Li9YFC11Y 0,25mm ²	10m	SAL-12S-RK8-10/G2	43-10979	SAL-12S-RK12-10/G2	43-11287
at 12-pos Li9YFC11Y 0,14mm ²					

For custom length or quality levels contact factory.

SAL M12X1 CONNECTORS

Male connector, axial with 360°-shielding



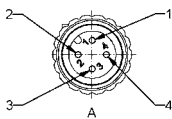
TECHNICAL DATA

Rated voltage	4-pos 160V	5-pos 60V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +80°C	
Mating cycles	<=100	

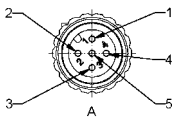
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

4-pos



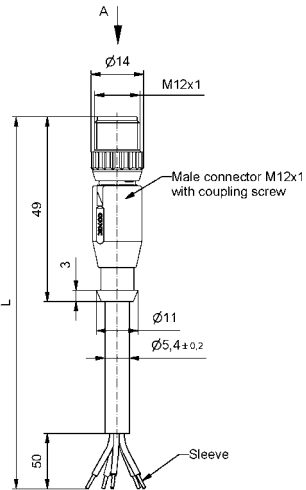
5-pos



CONTACT ASSIGNMENT 4 - 5-POS



DIMENSION DRAWING



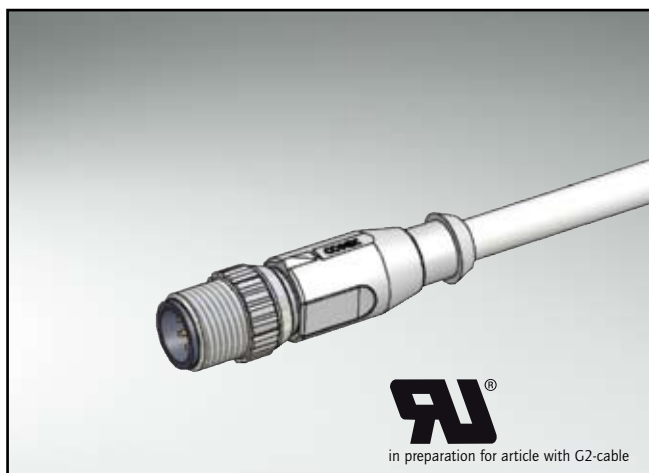
ORDER DATA

Cable	Length/L	Description	4-pos Part-no.	Description	5-pos Part-no.
PVC, UL	2m	SAL-12S-RS4-2/G3	43-10352	SAL-12S-RS5-2/G3	43-10360
grey	3m	SAL-12S-RS4-3/G3	43-10353	SAL-12S-RS5-3/G3	43-10361
at 4-pos LiYFCY 0,34mm ²	5m	SAL-12S-RS4-5/G3	43-10354	SAL-12S-RS5-5/G3	43-10362
at 5-pos LiYFCY 0,25mm ²	10m	SAL-12S-RS4-10/G3	43-10355	SAL-12S-RS5-10/G3	43-10363
TPU, high flexible	2m	SAL-12S-RS4-2/G2	43-10356	SAL-12S-RS5-2/G2	43-10364
halogenfree, UL	3m	SAL-12S-RS4-3/G2	43-10357	SAL-12S-RS5-3/G2	43-10365
black	5m	SAL-12S-RS4-5/G2	43-10358	SAL-12S-RS5-5/G2	43-10366
at 4-pos Li9YFC11Y 0,34mm ²	10m	SAL-12S-RS4-10/G2	43-10359	SAL-12S-RS5-10/G2	43-10367
at 5-pos Li9YFC11Y 0,25mm ²					

For custom length or quality levels contact factory.

SAL M12X1 CONNECTORS

Male connector, axial with 360°-shielding



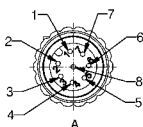
TECHNICAL DATA

Rated voltage	8-pos 30V	12-pos 30V
Current rating	8-pos: 2A at +40°C 12-pos: 1,5A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +80°C	
Mating cycles	<=100	

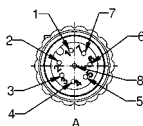
Directive 2002 95 EC
„RoHS“
Compliant

PIN CONFIGURATION

8-pos



12-pos



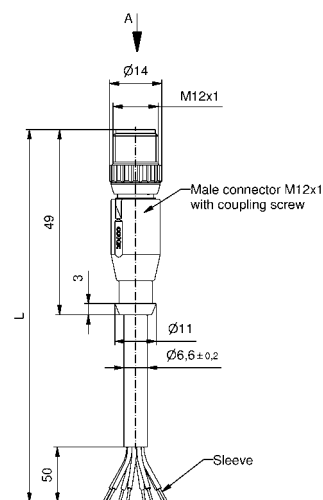
CONTACT ASSIGNMENT 8-POS

white	1	grey	5
brown	2	pink	6
green	3	blue	7
yellow	4	red	8
shielding coupling screw			

CONTACT ASSIGNMENT 12-POS

brown	1	black	7
blue	2	grey	8
white	3	red	9
green	4	violet	10
pink	5	grey-pink	11
yellow	6	red-blue	12
shielding coupling screw			

DIMENSION DRAWING



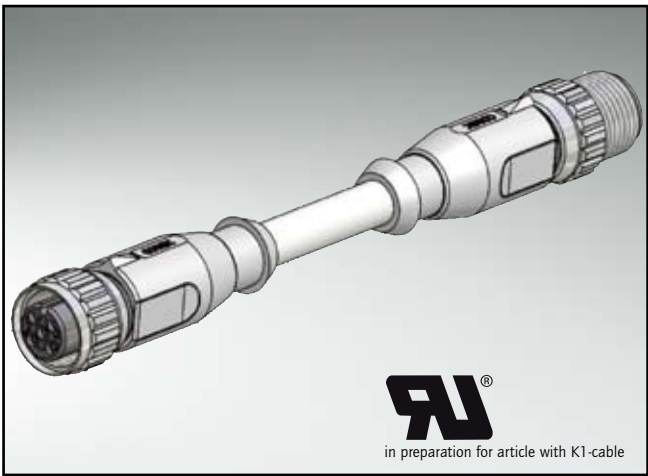
ORDER DATA

Cable	Length/L	Description	8-pos Part-no.	Description	12-pos Part-no.
PVC, UL	2m	SAL-12S-RS8-2/G3	43-10980	SAL-12S-RS12-2/G3	43-11288
grey	3m	SAL-12S-RS8-3/G3	43-10981	SAL-12S-RS12-3/G3	43-11289
at 8-pos LiYFCY 0,25mm ²	5m	SAL-12S-RS8-5/G3	43-10982	SAL-12S-RS12-5/G3	43-11290
at 12-pos LiYFCY 0,14mm ²	10m	SAL-12S-RS8-10/G3	43-10983	SAL-12S-RS12-10/G3	43-11291
TPU, high flexible	2m	SAL-12S-RS8-2/G2	43-10984	SAL-12S-RS12-2/G2	43-11292
halogenfree, UL	3m	SAL-12S-RS8-3/G2	43-10985	SAL-12S-RS12-3/G2	43-11293
black	5m	SAL-12S-RS8-5/G2	43-10986	SAL-12S-RS12-5/G2	43-11294
at 8-pos Li9YFC11Y 0,25mm ²	10m	SAL-12S-RS8-10/G2	43-10987	SAL-12S-RS12-10/G2	43-11295
at 12-pos Li9YFC11Y 0,14mm ²					

For custom length or quality levels contact factory.

SAL M12X1 CONNECTORS

Connecting cable Female connector, axial – Male connector, axial



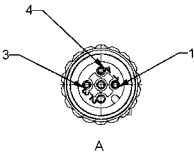
TECHNICAL DATA

Rated voltage	3-pos 250V	4-pos 250V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +80°C	
Mating cycles	<=100	

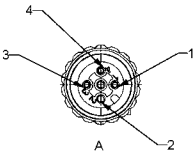
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

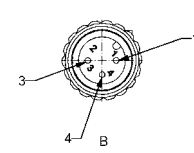
3-pos female



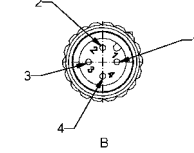
4-pos female



3-pos male



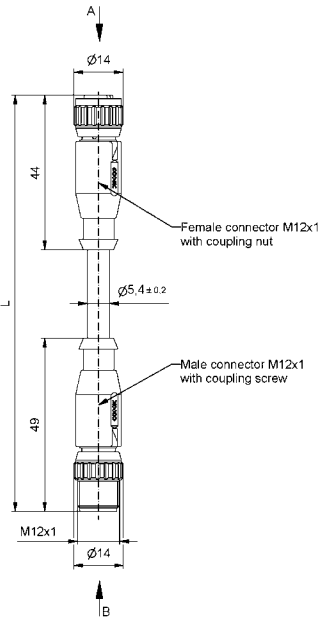
4-pos male



CONTACT ASSIGNMENT 3 - 4-POS

brown	1
white	2
blue	3
black	4
n.c.	5

DIMENSION DRAWING



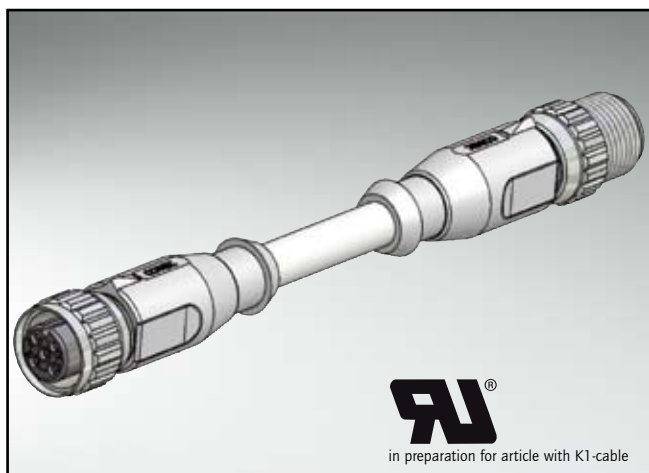
ORDER DATA

Cable	Length/L	Description	3-pos Part-no.	Description	4-pos Part-no.
PVC, grey LiYY 0,34mm ²	0,3m	SAL-12-RK3-RS3-0,3/A1	43-10544	SAL-12-RK4-RS4-0,3/A1	43-10564
	0,6m	SAL-12-RK3-RS3-0,6/A1	43-10545	SAL-12-RK4-RS4-0,6/A1	43-10565
	1,5m	SAL-12-RK3-RS3-1,5/A1	43-10546	SAL-12-RK4-RS4-1,5/A1	43-10566
	3,0m	SAL-12-RK3-RS3-3/A1	43-10547	SAL-12-RK4-RS4-3/A1	43-10567
TPU, high flexible halogenfree, UL black Li9Y11Y 0,34mm ²	0,3m	SAL-12-RK3-RS3-0,3/K1	43-10556	SAL-12-RK4-RS4-0,3/K1	43-10576
	0,6m	SAL-12-RK3-RS3-0,6/K1	43-10557	SAL-12-RK4-RS4-0,6/K1	43-10577
	1,5m	SAL-12-RK3-RS3-1,5/K1	43-10558	SAL-12-RK4-RS4-1,5/K1	43-10578
	3,0m	SAL-12-RK3-RS3-3/K1	43-10559	SAL-12-RK4-RS4-3/K1	43-10579
TPU, irradiated halogenfree, UL orange Li9Y11X 0,34mm ²	0,3m	SAL-12-RK3-RS3-0,3/J1	43-10560	SAL-12-RK4-RS4-0,3/J1	43-10580
	0,6m	SAL-12-RK3-RS3-0,6/J1	43-10561	SAL-12-RK4-RS4-0,6/J1	43-10581
	1,5m	SAL-12-RK3-RS3-1,5/J1	43-10562	SAL-12-RK4-RS4-1,5/J1	43-10582
	3,0m	SAL-12-RK3-RS3-3/J1	43-10563	SAL-12-RK4-RS4-3/J1	43-10583

For custom length or quality levels contact factory.

SAL M12X1 CONNECTORS

Connecting cable Female connector, axial – Male connector, axial



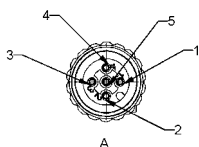
TECHNICAL DATA

Rated voltage	5-pos 60V	6-pos 30V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +80°C	
Mating cycles	<=100	

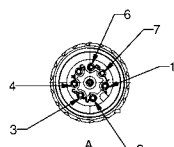
Directive 2002 95 EC
„RoHS“
Compliant

PIN CONFIGURATION

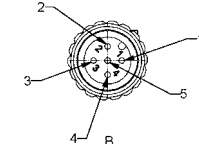
5-pos female



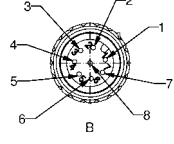
6-pos female



5-pos male



6-pos male



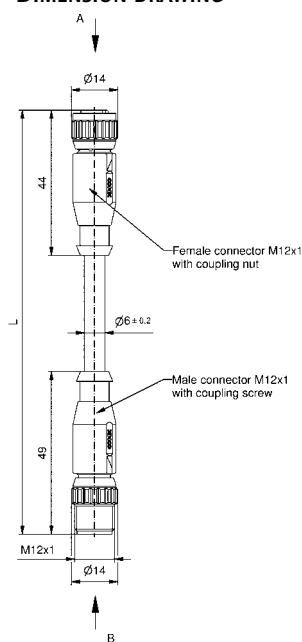
CONTACT ASSIGNMENT 5-POS

brown	1
white	2
blue	3
black	4
green-yellow	5

CONTACT ASSIGNMENT 6-POS

brown	1	n.c.	5
white	2	grey	6
blue	3	pink	7
black	4	n.c.	8

DIMENSION DRAWING



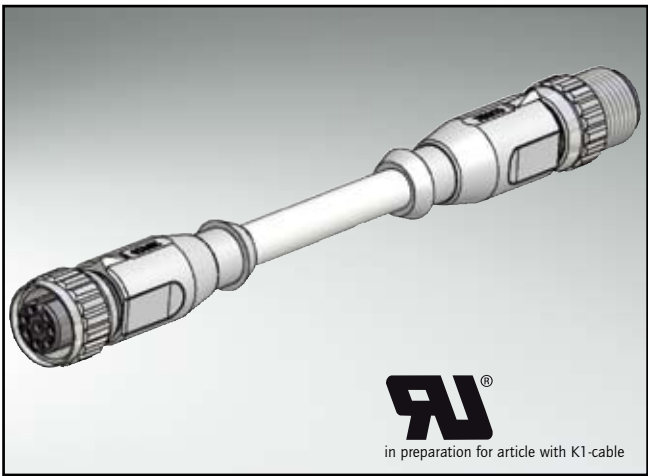
ORDER DATA

Cable	Length/L	Description	5-pos Part-no.	Description	6-pos Part-no.
PVC, grey at 5-pos LiYY 0,34mm ² at 6-pos LiYY 0,25mm ²	0,3m	SAL-12-RK5-RS5-0,3/A1	43-10584	SAL-12-RK6-RS6-0,3/A1	43-11070
	0,6m	SAL-12-RK5-RS5-0,6/A1	43-10585	SAL-12-RK6-RS6-0,6/A1	43-11071
	1,5m	SAL-12-RK5-RS5-1,5/A1	43-10586	SAL-12-RK6-RS6-1,5/A1	43-11072
	3,0m	SAL-12-RK5-RS5-3/A1	43-10587	SAL-12-RK6-RS6-3/A1	43-11073
TPU, high flexible halogenfree, UL black at 5-pos Li9Y11Y 0,34mm ² at 6-pos Li9Y11Y 0,25mm ²	0,3m	SAL-12-RK5-RS5-0,3/K1	43-10672	SAL-12-RK6-RS6-0,3/K1	43-11078
	0,6m	SAL-12-RK5-RS5-0,6/K1	43-10673	SAL-12-RK6-RS6-0,6/K1	43-11079
	1,5m	SAL-12-RK5-RS5-1,5/K1	43-10674	SAL-12-RK6-RS6-1,5/K1	43-11080
	3,0m	SAL-12-RK5-RS5-3/K1	43-10675	SAL-12-RK6-RS6-3/K1	43-11081
TPU, irradiated halogenfree, UL orange Li9Y11X 0,34mm ²	0,3m	SAL-12-RK5-RS5-0,3/J1	43-10676		
	0,6m	SAL-12-RK5-RS5-0,6/J1	43-10677		
	1,5m	SAL-12-RK5-RS5-1,5/J1	43-10678		
	3,0m	SAL-12-RK5-RS5-3/J1	43-10679		

For custom length or quality levels contact factory.

SAL M12X1 CONNECTORS

Connecting cable Female connector, axial – Male connector, axial



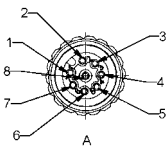
TECHNICAL DATA

Rated voltage	8-pos 30V
Current rating	2A at +40°C
Pollution degree	3/2
Insulation resistance	= 10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	-30°C to +80°C
Mating cycles	<=100

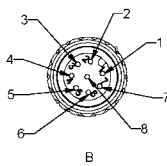
Directive 2002 95 EC
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Compliant

PIN CONFIGURATION

8-pos female



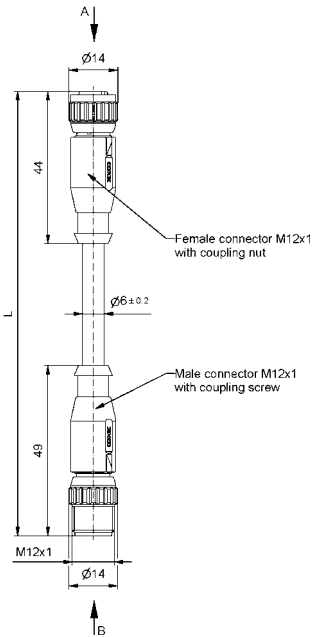
8-pos male



CONTACT ASSIGNMENT 8-POS

white	1	grey	5
brown	2	pink	6
green	3	blue	7
yellow	4	red	8

DIMENSION DRAWING



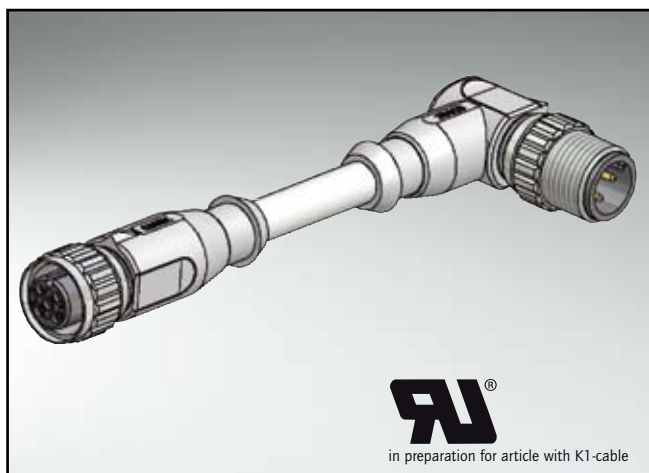
ORDER DATA

Cable	Length/L	Description	8-pos Part-no.
PVC, grey	0,3m	SAL-12-RK8-RS8-0,3/A1	43-10596
LiYY 0,25mm ²	0,6m	SAL-12-RK8-RS8-0,6/A1	43-10597
	1,5m	SAL-12-RK8-RS8-1,5/A1	43-10598
	3,0m	SAL-12-RK8-RS8-3/A1	43-10599
TPU, high flexible	0,3m	SAL-12-RK8-RS8-0,3/K1	43-11054
halogenfree, UL	0,6m	SAL-12-RK8-RS8-0,6/K1	43-11055
black	1,5m	SAL-12-RK8-RS8-1,5/K1	43-11056
Li9Y11Y 0,25mm ²	3,0m	SAL-12-RK8-RS8-3/K1	43-11057

For custom length or quality levels contact factory.

SAL M12X1 CONNECTORS

Connecting cable Female connector, axial – Male connector, angled



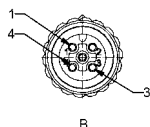
TECHNICAL DATA

Rated voltage	3-pos 250V	4-pos 250V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +80°C	
Mating cycles	<=100	

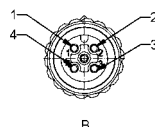
Directive 2002 95 EC
„RoHS“
Compliant

PIN CONFIGURATION

3-pos female



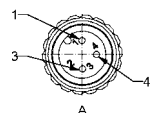
4-pos female



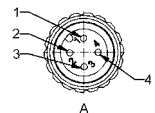
CONTACT ASSIGNMENT 3 - 4-POS

brown	1
white	2
blue	3
black	4
n.c.	5

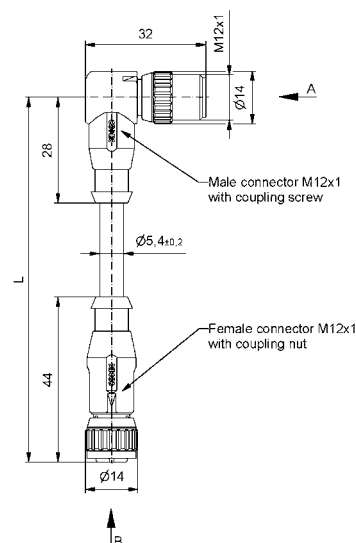
3-pos male



4-pos male



DIMENSION DRAWING



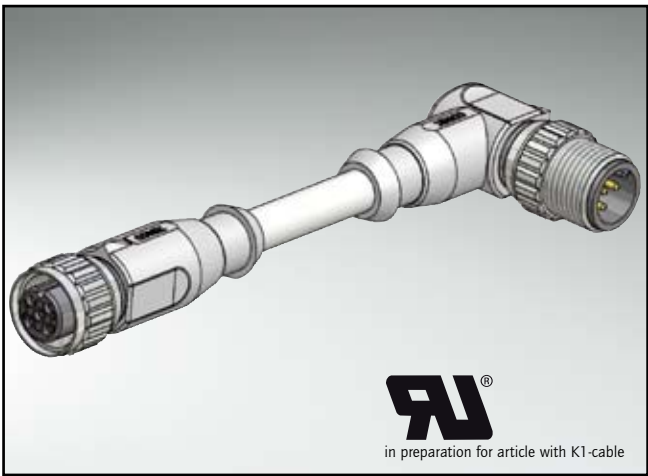
ORDER DATA

Cable	Length/L	Description	3-pos Part-no.	Description	4-pos Part-no.
PVC, grey LiYY 0,34mm ²	0,3m	SAL-12-RK3-RSW3-0,3/A1	43-10608	SAL-12-RK4-RSW4-0,3/A1	43-10628
	0,6m	SAL-12-RK3-RSW3-0,6/A1	43-10609	SAL-12-RK4-RSW4-0,6/A1	43-10629
	1,5m	SAL-12-RK3-RSW3-1,5/A1	43-10610	SAL-12-RK4-RSW4-1,5/A1	43-10630
	3,0m	SAL-12-RK3-RSW3-3/A1	43-10611	SAL-12-RK4-RSW4-3/A1	43-10631
TPU, high flexible halogenfree, UL black Li9Y11Y 0,34mm ²	0,3m	SAL-12-RK3-RSW3-0,3/K1	43-10620	SAL-12-RK4-RSW4-0,3/K1	43-10640
	0,6m	SAL-12-RK3-RSW3-0,6/K1	43-10621	SAL-12-RK4-RSW4-0,6/K1	43-10641
	1,5m	SAL-12-RK3-RSW3-1,5/K1	43-10622	SAL-12-RK4-RSW4-1,5/K1	43-10642
	3,0m	SAL-12-RK3-RSW3-3/K1	43-10623	SAL-12-RK4-RSW4-3/K1	43-10643
TPU, irradiated halogenfree, UL orange Li9Y11X 0,34mm ²	0,3m	SAL-12-RK3-RSW3-0,3/J1	43-10624	SAL-12-RK4-RSW4-0,3/J1	43-10644
	0,6m	SAL-12-RK3-RSW3-0,6/J1	43-10625	SAL-12-RK4-RSW4-0,6/J1	43-10645
	1,5m	SAL-12-RK3-RSW3-1,5/J1	43-10626	SAL-12-RK4-RSW4-1,5/J1	43-10646
	3,0m	SAL-12-RK3-RSW3-3/J1	43-10627	SAL-12-RK4-RSW4-3/J1	43-10647

For custom length or quality levels contact factory.

SAL M12X1 CONNECTORS

Connecting cable Female connector, axial – Male connector, angled



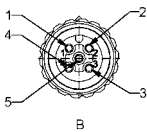
TECHNICAL DATA

Rated voltage	5-pos 60V	6-pos 30V
Current rating	5-pos: 4A at +40°C 6-pos: 2A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +80°C	
Mating cycles	<=100	

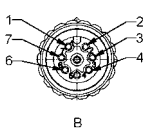
Directive 2002 95 EC
„RoHS“
Compliant

PIN CONFIGURATION

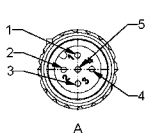
5-pos female



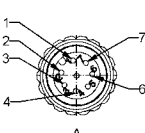
6-pos female



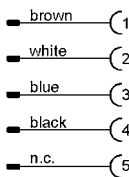
5-pos male



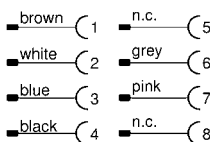
6-pos male



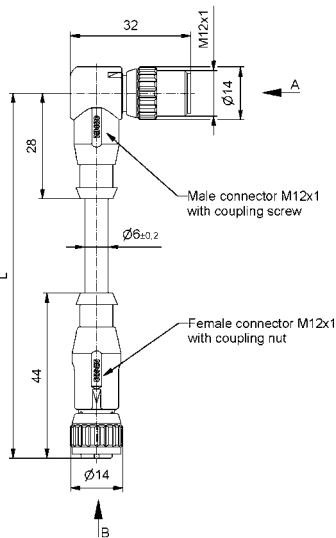
CONTACT ASSIGNMENT 5-POS



CONTACT ASSIGNMENT 6-POS



DIMENSION DRAWING



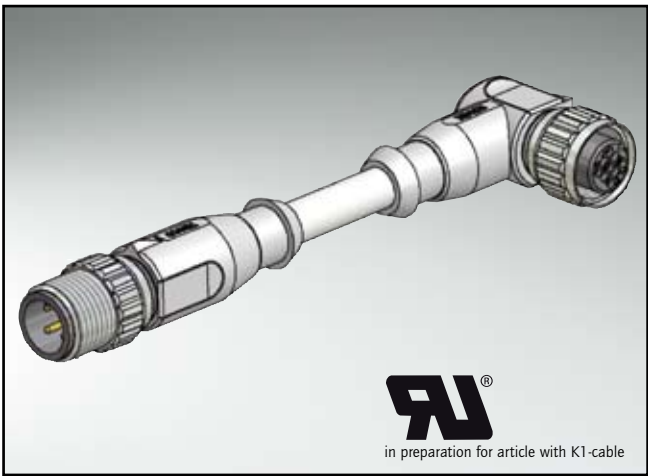
ORDER DATA

Cable	Length/L	Description	5-pos Part-no.	Description	6-pos Part-no.
PVC, grey at 5-pos LiYY 0,34mm ² at 6-pos LiYY 0,25mm ²	0,3m	SAL-12-RK5-RSW5-0,3/A1	43-10648	SAL-12-RK6-RSW6-0,3/A1	43-11090
	0,6m	SAL-12-RK5-RSW5-0,6/A1	43-10649	SAL-12-RK6-RSW6-0,6/A1	43-11091
	1,5m	SAL-12-RK5-RSW5-1,5/A1	43-10650	SAL-12-RK6-RSW6-1,5/A1	43-11092
	3,0m	SAL-12-RK5-RSW5-3/A1	43-10651	SAL-12-RK6-RSW6-3/A1	43-11093
TPU, high flexible halogenfree, UL black at 5-pos Li9Y11Y 0,34mm ² at 6-pos Li9Y11Y 0,25mm ²	0,3m	SAL-12-RK5-RSW5-0,3/K1	43-10680	SAL-12-RK6-RSW6-0,3/K1	43-11094
	0,6m	SAL-12-RK5-RSW5-0,6/K1	43-10681	SAL-12-RK6-RSW6-0,6/K1	43-11095
	1,5m	SAL-12-RK5-RSW5-1,5/K1	43-10682	SAL-12-RK6-RSW6-1,5/K1	43-11096
	3,0m	SAL-12-RK5-RSW5-3/K1	43-10683	SAL-12-RK6-RSW6-3/K1	43-11097
TPU, irradiated halogenfree, UL orange Li9Y11X 0,34mm ²	0,3m	SAL-12-RK5-RSW5-0,3/J1	43-10684		
	0,6m	SAL-12-RK5-RSW5-0,6/J1	43-10685		
	1,5m	SAL-12-RK5-RSW5-1,5/J1	43-10686		
	3,0m	SAL-12-RK5-RSW5-3/J1	43-10687		

For custom length or quality levels contact factory.

SAL M12X1 CONNECTORS

Connecting cable Female connector, angled – Male connector, axial



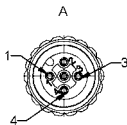
TECHNICAL DATA

Rated voltage	3-pos 250V	4-pos 250V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +80°C	
Mating cycles	<=100	

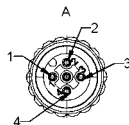
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

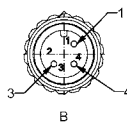
3-pos female



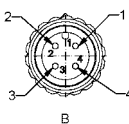
4-pos female



3-pos male



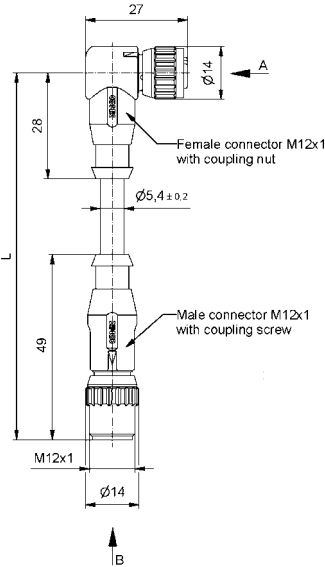
4-pos male



CONTACT ASSIGNMENT 3 - 4-POS

brown	1
white	2
blue	3
black	4
n.c.	5

DIMENSION DRAWING



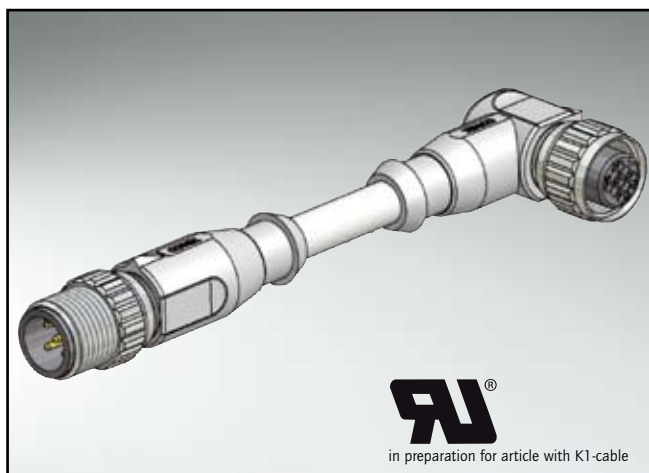
ORDER DATA

Cable	Length/L	Description	3-pos Part-no.	Description	4-pos Part-no.
PVC, grey LiYY 0,34mm ²	0,3m	SAL-12-RKW3-RS3-0,3/A1	43-10688	SAL-12-RKW4-RS4-0,3/A1	43-10708
	0,6m	SAL-12-RKW3-RS3-0,6/A1	43-10689	SAL-12-RKW4-RS4-0,6/A1	43-10709
	1,5m	SAL-12-RKW3-RS3-1,5/A1	43-10690	SAL-12-RKW4-RS4-1,5/A1	43-10710
	3,0m	SAL-12-RKW3-RS3-3/A1	43-10691	SAL-12-RKW4-RS4-3/A1	43-10711
TPU, high flexible halogenfree, UL black Li9Y11Y 0,34mm ²	0,3m	SAL-12-RKW3-RS3-0,3/K1	43-10700	SAL-12-RKW4-RS4-0,3/K1	43-10720
	0,6m	SAL-12-RKW3-RS3-0,6/K1	43-10701	SAL-12-RKW4-RS4-0,6/K1	43-10721
	1,5m	SAL-12-RKW3-RS3-1,5/K1	43-10702	SAL-12-RKW4-RS4-1,5/K1	43-10722
	3,0m	SAL-12-RKW3-RS3-3/K1	43-10703	SAL-12-RKW4-RS4-3/K1	43-10723
TPU, irradiated halogenfree, UL orange Li9Y11X 0,34mm ²	0,3m	SAL-12-RKW3-RS3-0,3/J1	43-10704	SAL-12-RKW4-RS4-0,3/J1	43-10724
	0,6m	SAL-12-RKW3-RS3-0,6/J1	43-10705	SAL-12-RKW4-RS4-0,6/J1	43-10725
	1,5m	SAL-12-RKW3-RS3-1,5/J1	43-10706	SAL-12-RKW4-RS4-1,5/J1	43-10726
	3,0m	SAL-12-RKW3-RS3-3/J1	43-10707	SAL-12-RKW4-RS4-3/J1	43-10727

For custom length or quality levels contact factory.

SAL M12X1 CONNECTORS

Connecting cable Female connector, angled – Male connector, axial



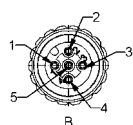
TECHNICAL DATA

Rated voltage	5-pos 60V	6-pos 30V
Current rating	5-pos: 4A at +40°C	6-pos: 2A at +40°C
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +80°C	
Mating cycles	<=100	

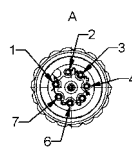
Directive 2002 95 EC
„RoHS“
Compliant

PIN CONFIGURATION

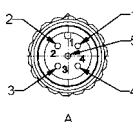
5-pos female



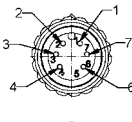
6-pos female



5-pos male



6-pos male



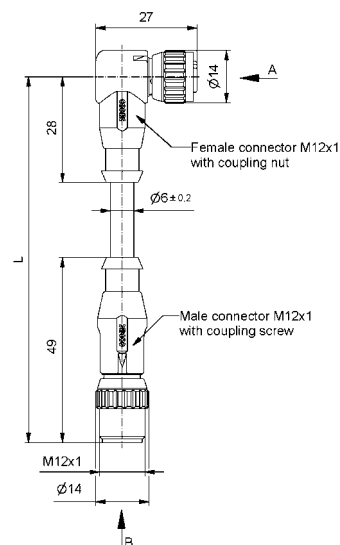
CONTACT ASSIGNMENT 5-POS

brown	1
white	2
blue	3
black	4
green-yellow	5

CONTACT ASSIGNMENT 6-POS

brown	1	n.c.	5
white	2	grey	6
blue	3	pink	7
black	4	n.c.	8

DIMENSION DRAWING



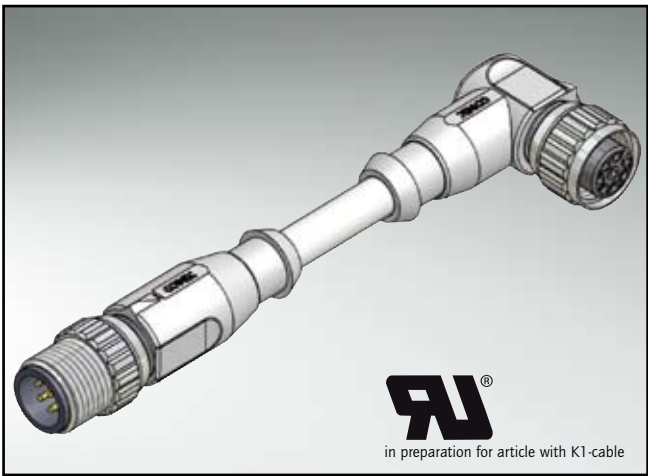
ORDER DATA

Cable	Length/L	Description	5-pos Part-no.	Description	6-pos Part-no.
PVC, grey at 5-pos LiYY 0,34mm ² at 6-pos LiYY 0,25mm ²	0,3m	SAL-12-RKW5-RS5-0,3/A1	43-10952	SAL-12-RKW6-RS6-0,3/A1	43-11082
	0,6m	SAL-12-RKW5-RS5-0,6/A1	43-10953	SAL-12-RKW6-RS6-0,6/A1	43-11083
	1,5m	SAL-12-RKW5-RS5-1,5/A1	43-10954	SAL-12-RKW6-RS6-1,5/A1	43-11084
	3,0m	SAL-12-RKW5-RS5-3/A1	43-10955	SAL-12-RKW6-RS6-3/A1	43-11085
TPU, high flexible halogenfree, UL black at 5-pos Li9Y11Y 0,34mm ² at 6-pos Li9Y11Y 0,25mm ²	0,3m	SAL-12-RKW5-RS5-0,3/K1	43-10964	SAL-12-RKW6-RS6-0,3/K1	43-11086
	0,6m	SAL-12-RKW5-RS5-0,6/K1	43-10965	SAL-12-RKW6-RS6-0,6/K1	43-11087
	1,5m	SAL-12-RKW5-RS5-1,5/K1	43-10966	SAL-12-RKW6-RS6-1,5/K1	43-11088
	3,0m	SAL-12-RKW5-RS5-3/K1	43-10967	SAL-12-RKW6-RS6-3/K1	43-11089
TPU, irradiated halogenfree, UL orange Li9Y11X 0,34mm ²	0,3m	SAL-12-RKW5-RS5-0,3/J1	43-10968		
	0,6m	SAL-12-RKW5-RS5-0,6/J1	43-10969		
	1,5m	SAL-12-RKW5-RS5-1,5/J1	43-10970		
	3,0m	SAL-12-RKW5-RS5-3/J1	43-10971		

For custom length or quality levels contact factory.

SAL M12X1 CONNECTORS

Connecting cable Female connector, angled – Male connector, axial



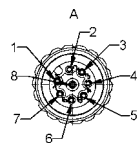
TECHNICAL DATA

Rated voltage	8-pos 30V
Current rating	2A at +40°C
Pollution degree	3/2
Insulation resistance	= 10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	-30°C to +80°C
Mating cycles	<=100

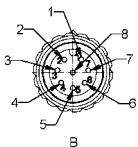
Directive 2002 95 EC
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Compliant

PIN CONFIGURATION

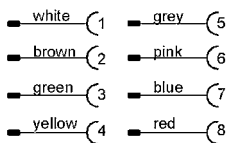
8-pos female



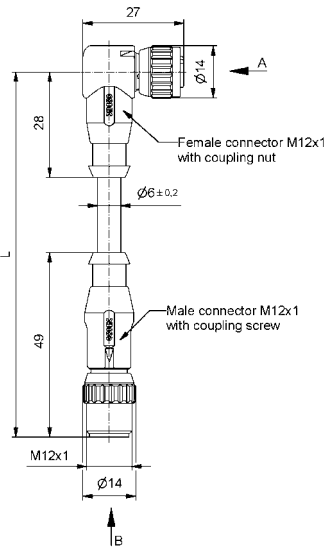
8-pos male



CONTACT ASSIGNMENT 8-POS



DIMENSION DRAWING



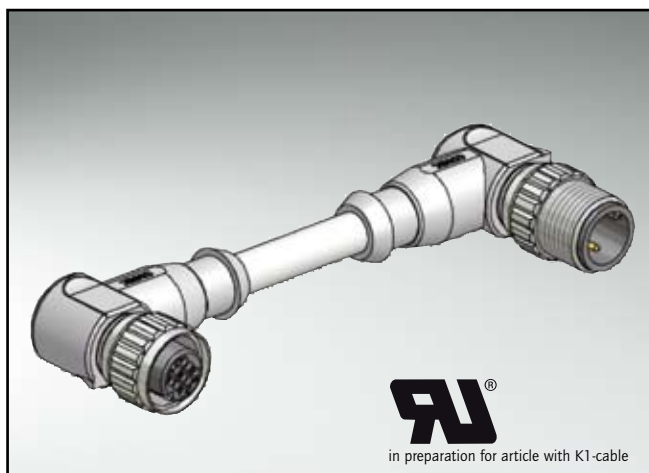
ORDER DATA

Cable	Length/L	Description	8-pos Part-no.
PVC, grey LiYY 0,25mm ²	0,3m	SAL-12-RKW8-RS8-0,3/A1	43-10728
	0,6m	SAL-12-RKW8-RS8-0,6/A1	43-10729
	1,5m	SAL-12-RKW8-RS8-1,5/A1	43-10730
	3,0m	SAL-12-RKW8-RS8-3/A1	43-10731
TPU, high flexible halogenfree, UL black Li9Y11Y 0,25mm ²	0,3m	SAL-12-RKW8-RS8-0,3/K1	43-11106
	0,6m	SAL-12-RKW8-RS8-0,6/K1	43-11107
	1,5m	SAL-12-RKW8-RS8-1,5/K1	43-11108
	3,0m	SAL-12-RKW8-RS8-3/K1	43-11109

For custom length or quality levels contact factory.

SAL M12X1 CONNECTORS

Connecting cable Female connector, angled – Male connector, angled



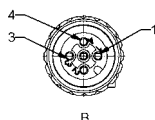
TECHNICAL DATA

Rated voltage	3-pos 250V	4-pos 250V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +80°C	
Mating cycles	<=100	

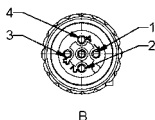
Directive 2002 95 EC
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PIN CONFIGURATION

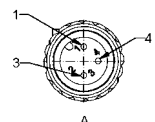
3-pos female



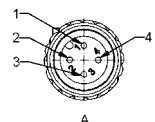
4-pos female



3-pos male



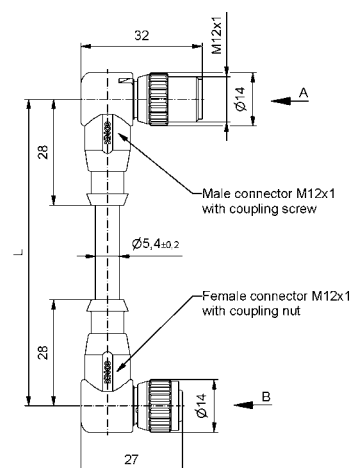
4-pos male



CONTACT ASSIGNMENT 3 - 4-POS

— brown	1
— white	2
— blue	3
— black	4
— n.c.	5

DIMENSION DRAWING



ORDER DATA

Cable	Length/L	Description	3-pos Part-no.	Description	4-pos Part-no.
PVC, grey LiYY 0,34mm ²	0,3m	SAL-12-RKW3-RSW3-0,3/A1	43-10740	SAL-12-RKW4-RSW4-0,3/A1	43-10760
	0,6m	SAL-12-RKW3-RSW3-0,6/A1	43-10741	SAL-12-RKW4-RSW4-0,6/A1	43-10761
	1,5m	SAL-12-RKW3-RSW3-1,5/A1	43-10742	SAL-12-RKW4-RSW4-1,5/A1	43-10762
	3,0m	SAL-12-RKW3-RSW3-3/A1	43-10743	SAL-12-RKW4-RSW4-3/A1	43-10763
TPU, high flexible halogenfree, UL black Li9Y11Y 0,34mm ²	0,3m	SAL-12-RKW3-RSW3-0,3/K1	43-10752	SAL-12-RKW4-RSW4-0,3/K1	43-10772
	0,6m	SAL-12-RKW3-RSW3-0,6/K1	43-10753	SAL-12-RKW4-RSW4-0,6/K1	43-10773
	1,5m	SAL-12-RKW3-RSW3-1,5/K1	43-10754	SAL-12-RKW4-RSW4-1,5/K1	43-10774
	3,0m	SAL-12-RKW3-RSW3-3/K1	43-10755	SAL-12-RKW4-RSW4-3/K1	43-10775
TPU, irradiated halogenfree, UL orange Li9Y11X 0,34mm ²	0,3m	SAL-12-RKW3-RSW3-0,3/J1	43-10756	SAL-12-RKW4-RSW4-0,3/J1	43-10776
	0,6m	SAL-12-RKW3-RSW3-0,6/J1	43-10757	SAL-12-RKW4-RSW4-0,6/J1	43-10777
	1,5m	SAL-12-RKW3-RSW3-1,5/J1	43-10758	SAL-12-RKW4-RSW4-1,5/J1	43-10778
	3,0m	SAL-12-RKW3-RSW3-3/J1	43-10759	SAL-12-RKW4-RSW4-3/J1	43-10779

For custom length or quality levels contact factory.

Connecting cable Female connector, angled – Male connector, angled



Rated voltage	5-pos 60V	6-pos 30V
Current rating	5-pos: 4A at +40°C 6-pos: 2A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +80°C	
Mating cycles	<=100	

- brown (1)
- white (2)
- blue (3)
- black (4)
- green-yellow (5)

Figure 1 shows the 8 stimuli used in the experiment. The stimuli are arranged in two columns. The left column contains four stimuli: 'brown' (1), 'white' (2), 'blue' (3), and 'black' (4). The right column contains four stimuli: 'n.c.' (5), 'grey' (6), 'pink' (7), and 'n.c.' (8). Each stimulus is represented by a horizontal line with a colored segment on the left and a bracket on the right indicating its position.

Technical drawing of the M12x1 cable gland assembly, showing dimensions and components:

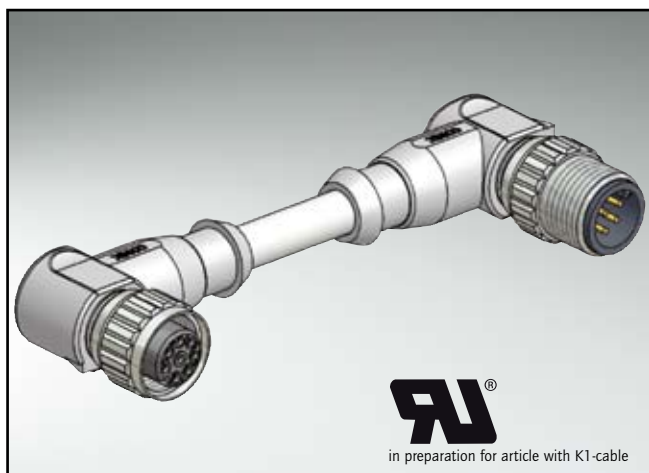
- Dimensions:**
 - Overall length: L
 - Distance from mounting flange to center of male connector: 28
 - Distance from mounting flange to center of female connector: 28
 - Distance between centers of male and female connectors: 27
 - Flange diameter: $\phi 14$
 - Male connector thread: M12x1
 - Male connector body diameter: $\phi 6 \pm 0.2$
- Components:**
 - Male connector M12x1 with coupling screw
 - Female connector M12x1 with coupling nut
- Views:**
 - View A: Front view of the assembly.
 - View B: Side view of the assembly.

Cable	Length/L	Description	5-pos Part-no.	Description	6-pos Part-no.
PVC, grey	0,3m	SAL-12-RKW5-RSW5-0,3/A1	43-10780	SAL-12-RKW6-RSW6-0,3/A1	43-11098
at 5-pos LiYY 0,34mm²	0,6m	SAL-12-RKW5-RSW5-0,6/A1	43-10781	SAL-12-RKW6-RSW6-0,6/A1	43-11099
at 6-pos LiYY 0,25mm²	1,5m	SAL-12-RKW5-RSW5-1,5/A1	43-10782	SAL-12-RKW6-RSW6-1,5/A1	43-11100
	3,0m	SAL-12-RKW5-RSW5-3/A1	43-10783	SAL-12-RKW6-RSW6-3/A1	43-11101
TPU, high flexible	0,3m	SAL-12-RKW5-RSW5-0,3/K1	43-10792	SAL-12-RKW6-RSW6-0,3/K1	43-11102
halogenfree, UL	0,6m	SAL-12-RKW5-RSW5-0,6/K1	43-10793	SAL-12-RKW6-RSW6-0,6/K1	43-11103
black	1,5m	SAL-12-RKW5-RSW5-1,5/K1	43-10794	SAL-12-RKW6-RSW6-1,5/K1	43-11104
at 5-pos Li9Y11Y 0,34mm²	3,0m	SAL-12-RKW5-RSW5-3/K1	43-10795	SAL-12-RKW6-RSW6-3/K1	43-11105
at 6-pos Li9Y11Y 0,25mm²					
TPU, irradiated	0,3m	SAL-12-RKW5-RSW5-0,3/J1	43-10796		
halogenfree, UL	0,6m	SAL-12-RKW5-RSW5-0,6/J1	43-10797		
orange	1,5m	SAL-12-RKW5-RSW5-1,5/J1	43-10798		
Li9Y11X 0,34mm²	3,0m	SAL-12-RKW5-RSW5-3/J1	43-10799		

For custom length or quality levels contact factory.

SAL M12X1 CONNECTORS

Connecting cable Female connector, angled – Male connector, angled



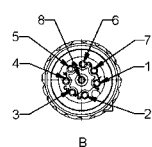
TECHNICAL DATA

Rated voltage	8-pos 30V
Current rating	2A at +40°C
Pollution degree	3/2
Insulation resistance	= 10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	-30°C to +80°C
Mating cycles	<=100

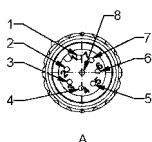
Directive 2002 95 EC
„RoHS“
Compliant

PIN CONFIGURATION

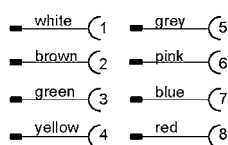
8-pos female



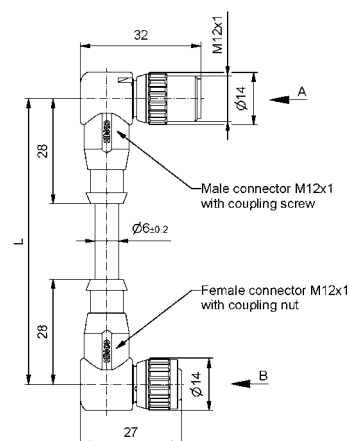
8-pos male



CONTACT ASSIGNMENT 8-POS



DIMENSION DRAWING



ORDER DATA

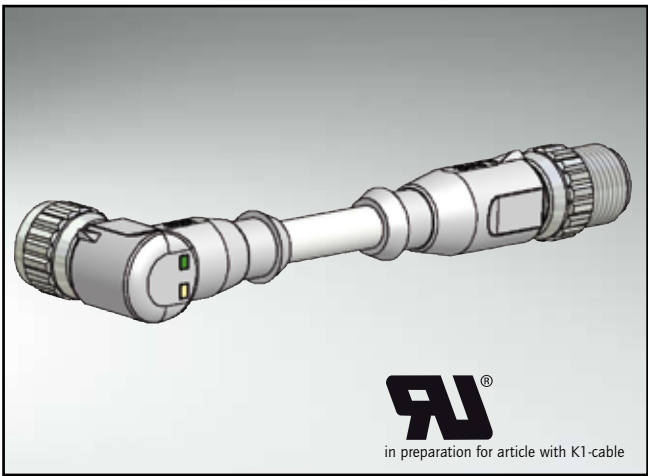
Cable	Length/L	Description	8-pos Part-no.
PVC, grey	0,3m	SAL-12-RKW8-RSW8-0,3/A1	43-10800
LiYY 0,25mm ²	0,6m	SAL-12-RKW8-RSW8-0,6/A1	43-10801
	1,5m	SAL-12-RKW8-RSW8-1,5/A1	43-10802
	3,0m	SAL-12-RKW8-RSW8-3/A1	43-10803
TPU, high flexible	0,3m	SAL-12-RKW8-RSW8-0,3/K1	43-11074
halogenfree, UL	0,6m	SAL-12-RKW8-RSW8-0,6/K1	43-11075
black	1,5m	SAL-12-RKW8-RSW8-1,5/K1	43-11076
Li9Y11Y 0,25mm ²	3,0m	SAL-12-RKW8-RSW8-3/K1	43-11077

For custom length or quality levels contact factory.

SAL M12X1 CONNECTORS

Connecting cable

Female connector, angled with 2-Indicators LED-display – Male connector, axial



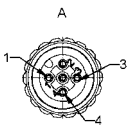
TECHNICAL DATA

Rated voltage	3-pos 30V	5-pos 30V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +80°C	
Mating cycles	<=100	

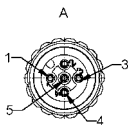
Directive 2002 95 EC
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Compliant

PIN CONFIGURATION

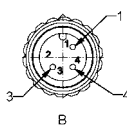
3-pos female



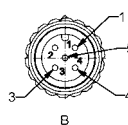
5-pos female



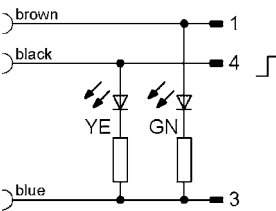
3-pos male



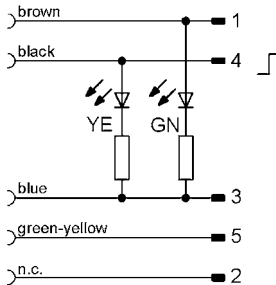
5-pos male



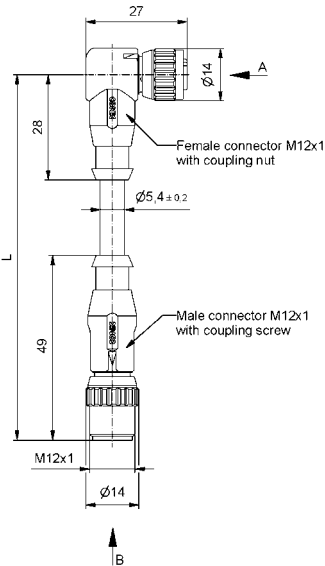
CONTACT ASSIGNMENT 3-POS



CONTACT ASSIGNMENT 5-POS



DIMENSION DRAWING



ORDER DATA

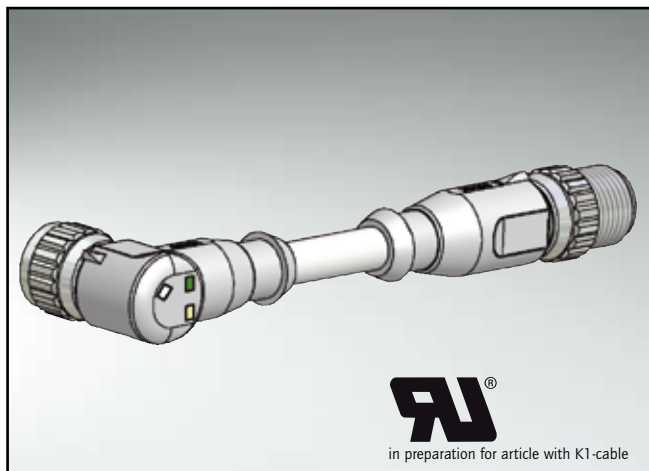
Cable	Length/L	Description	3-pos Part-no.	Description	5-pos Part-no.
PVC, grey LiYY 0,34mm ²	0,3m	SAL-12-RKW3-RS3-2L-0,3/A1	43-10392	SAL-12-RKW5.2-RS5-2L-0,3/A1	43-10404
	0,6m	SAL-12-RKW3-RS3-2L-0,6/A1	43-10393	SAL-12-RKW5.2-RS5-2L-0,6/A1	43-10405
	1,5m	SAL-12-RKW3-RS3-2L-1,5/A1	43-10394	SAL-12-RKW5.2-RS5-2L-1,5/A1	43-10406
	3,0m	SAL-12-RKW3-RS3-2L-3/A1	43-10395	SAL-12-RKW5.2-RS5-2L-3/A1	43-10407
TPU, high flexible halogenfree, UL black Li9Y11Y 0,34mm ²	0,3m	SAL-12-RKW3-RS3-2L-0,3/K1	43-10884	SAL-12-RKW5.2-RS5-2L-0,3/K1	43-10892
	0,6m	SAL-12-RKW3-RS3-2L-0,6/K1	43-10885	SAL-12-RKW5.2-RS5-2L-0,6/K1	43-10893
	1,5m	SAL-12-RKW3-RS3-2L-1,5/K1	43-10886	SAL-12-RKW5.2-RS5-2L-1,5/K1	43-10894
	3,0m	SAL-12-RKW3-RS3-2L-3/K1	43-10887	SAL-12-RKW5.2-RS5-2L-3/K1	43-10895
TPU, irradiated halogenfree, UL orange Li9Y11X 0,34mm ²	0,3m	SAL-12-RKW3-RS3-2L-0,3/J1	43-10888	SAL-12-RKW5.2-RS5-2L-0,3/J1	43-10896
	0,6m	SAL-12-RKW3-RS3-2L-0,6/J1	43-10889	SAL-12-RKW5.2-RS5-2L-0,6/J1	43-10897
	1,5m	SAL-12-RKW3-RS3-2L-1,5/J1	43-10890	SAL-12-RKW5.2-RS5-2L-1,5/J1	43-10898
	3,0m	SAL-12-RKW3-RS3-2L-3/J1	43-10891	SAL-12-RKW5.2-RS5-2L-3/J1	43-10899

For custom length or quality levels contact factory.

SAL M12X1 CONNECTORS

Connecting cable

Female connector, angled with 3-Indicators LED-display – Male connector, axial



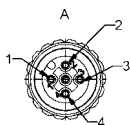
TECHNICAL DATA

Rated voltage	4-pos 30V	5-pos 30V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +80°C	
Mating cycles	<=100	

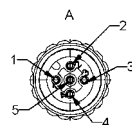
Directive 2002 95 EC
„RoHS“
Compliant

PIN CONFIGURATION

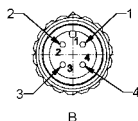
4-pos female



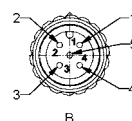
5-pos female



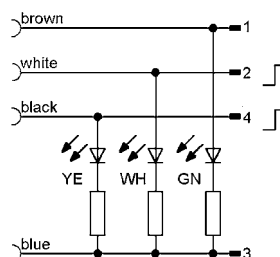
4-pos male



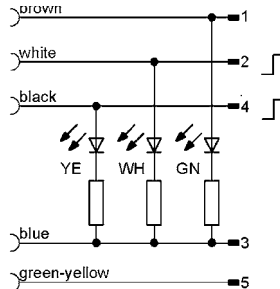
5-pos male



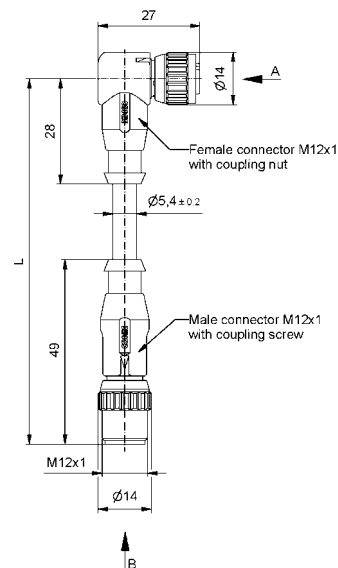
CONTACT ASSIGNMENT 4-POS



CONTACT ASSIGNMENT 5-POS



DIMENSION DRAWING



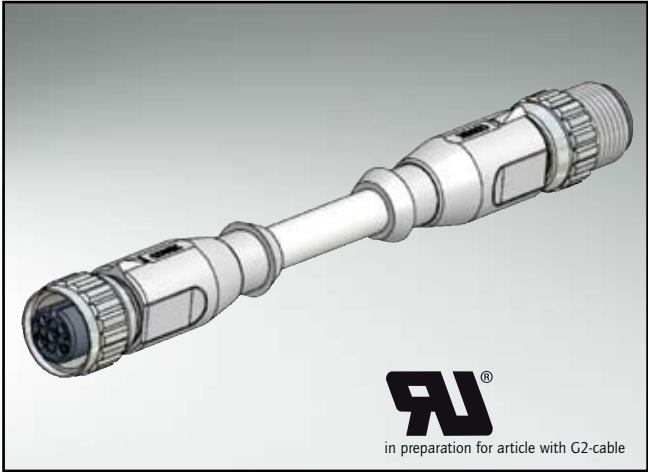
ORDER DATA

Cable	Length/L	Description	4-pos Part-no.	Description	5-pos Part-no.
PVC, grey LiYY 0,34mm ²	0,3m	SAL-12-RKW4-RS4-3L-0,3/A1	43-10416	SAL-12-RKW5-RS5-3L-0,3/A1	43-10848
	0,6m	SAL-12-RKW4-RS4-3L-0,6/A1	43-10417	SAL-12-RKW5-RS5-3L-0,6/A1	43-10849
	1,5m	SAL-12-RKW4-RS4-3L-1,5/A1	43-10418	SAL-12-RKW5-RS5-3L-1,5/A1	43-10850
	3,0m	SAL-12-RKW4-RS4-3L-3/A1	43-10419	SAL-12-RKW5-RS5-3L-3/A1	43-10851
TPU, high flexible halogenfree, UL black Li9Y11Y 0,34mm ²	0,3m	SAL-12-RKW4-RS4-3L-0,3/K1	43-10840	SAL-12-RKW5-RS5-3L-0,3/K1	43-10860
	0,6m	SAL-12-RKW4-RS4-3L-0,6/K1	43-10841	SAL-12-RKW5-RS5-3L-0,6/K1	43-10861
	1,5m	SAL-12-RKW4-RS4-3L-1,5/K1	43-10842	SAL-12-RKW5-RS5-3L-1,5/K1	43-10862
	3,0m	SAL-12-RKW4-RS4-3L-3/K1	43-10843	SAL-12-RKW5-RS5-3L-3/K1	43-10863
TPU, irradiated halogenfree, UL orange Li9Y11X 0,34mm ²	0,3m	SAL-12-RKW4-RS4-3L-0,3/J1	43-10844	SAL-12-RKW5-RS5-3L-0,3/J1	43-10864
	0,6m	SAL-12-RKW4-RS4-3L-0,6/J1	43-10845	SAL-12-RKW5-RS5-3L-0,6/J1	43-10865
	1,5m	SAL-12-RKW4-RS4-3L-1,5/J1	43-10846	SAL-12-RKW5-RS5-3L-1,5/J1	43-10866
	3,0m	SAL-12-RKW4-RS4-3L-3/J1	43-10847	SAL-12-RKW5-RS5-3L-3/J1	43-10867

For custom length or quality levels contact factory.

SAL M12X1 CONNECTORS

Connecting cable with 360°-shielding
Female connector, axial – Male connector, axial



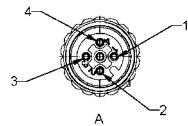
TECHNICAL DATA

Rated voltage	4-pos 160V	5-pos 60V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +80°C	
Mating cycles	<=100	

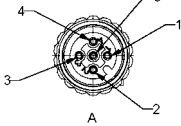
Directive 2002 95 EC
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Compliant

PIN CONFIGURATION

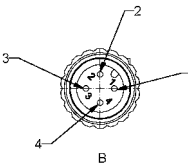
4-pos female



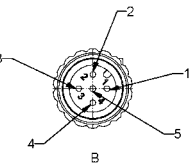
5-pos female



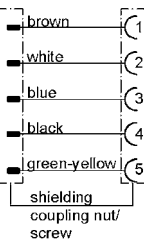
4-pos male



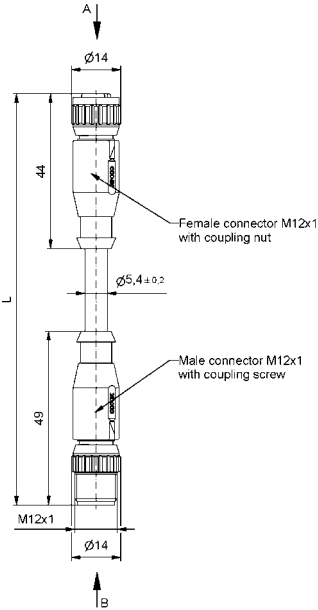
5-pos male



CONTACT ASSIGNMENT 4 - 5-POS



DIMENSION DRAWING



ORDER DATA

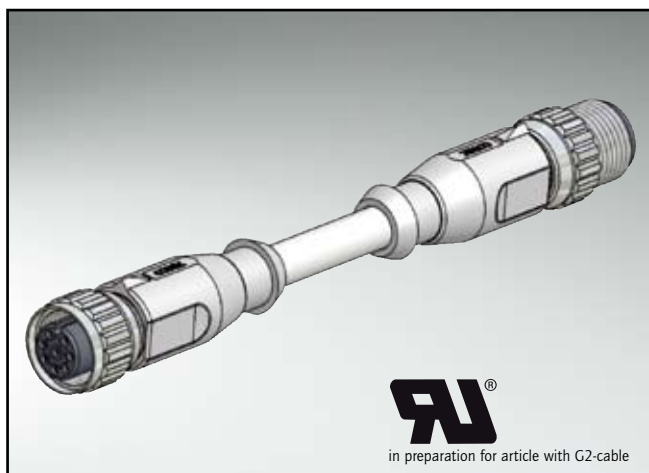
Cable	Length/L	Description	4-pos Part-no.	Description	5-pos Part-no.
PVC, UL	0,3m	SAL-12S-RK4-RS4-0,3/G3	43-10812	SAL-12S-RK5-RS5-0,3/G3	43-10824
grey	0,6m	SAL-12S-RK4-RS4-0,6/G3	43-10813	SAL-12S-RK5-RS5-0,6/G3	43-10825
at 4-pos LiYFCY 0,34mm ²	1,5m	SAL-12S-RK4-RS4-1,5/G3	43-10814	SAL-12S-RK5-RS5-1,5/G3	43-10826
at 5-pos LiYFCY 0,25mm ²	3,0m	SAL-12S-RK4-RS4-3/G3	43-10815	SAL-12S-RK5-RS5-3/G3	43-10827
TPU, high flexible	0,3m	SAL-12S-RK4-RS4-0,3/G2	43-10820	SAL-12S-RK5-RS5-0,3/G2	43-10832
halogenfree, UL	0,6m	SAL-12S-RK4-RS4-0,6/G2	43-10821	SAL-12S-RK5-RS5-0,6/G2	43-10833
black	1,5m	SAL-12S-RK4-RS4-1,5/G2	43-10822	SAL-12S-RK5-RS5-1,5/G2	43-10834
at 4-pos Li9YFC11Y 0,34mm ²	3,0m	SAL-12S-RK4-RS4-3/G2	43-10823	SAL-12S-RK5-RS5-3/G2	43-10835
at 5-pos Li9YFC11Y 0,25mm ²					

For custom length or quality levels contact factory.

SAL M12X1 CONNECTORS

Connecting cable with 360°-shielding

Female connector, axial – Male connector, axial



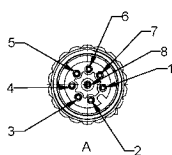
TECHNICAL DATA

Rated voltage	8-pos 30V
Current rating	2A at +40°C
Pollution degree	3/2
Insulation resistance	= 10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	-30°C to +80°C
Mating cycles	<=100

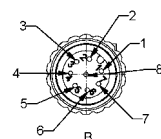
Directive 2002 95 EC
„RoHS“
Compliant

PIN CONFIGURATION

8-pos female



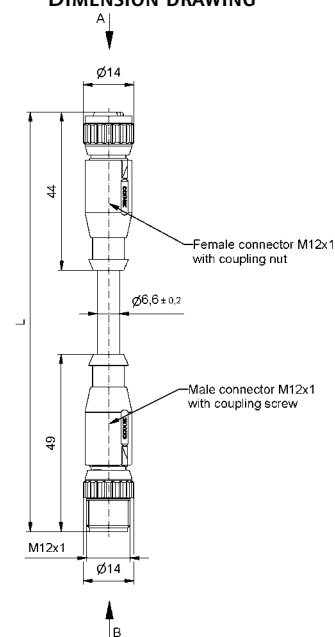
8-pos male



CONTACT ASSIGNMENT 8-POS

1	white
2	brown
3	green
4	yellow
5	grey
6	pink
7	blue
8	red
	shielding coupling nut/ screw

DIMENSION DRAWING



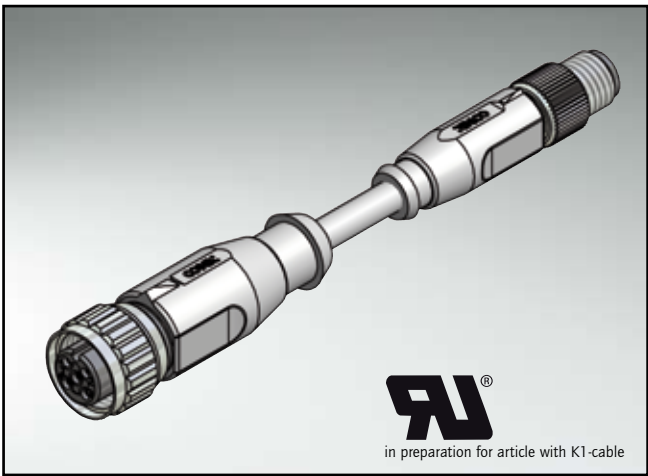
ORDER DATA

Cable	Length/L	Description	8-pos Part-no.
PVC, UL	0,3m	SAL-12S-RK8-RS8-0,3/G3	43-10988
grey	0,6m	SAL-12S-RK8-RS8-0,6/G3	43-10989
LiYFCY 0,25mm ²	1,5m	SAL-12S-RK8-RS8-1,5/G3	43-10990
	3,0m	SAL-12S-RK8-RS8-3/G3	43-10991
TPU, high flexible	0,3m	SAL-12S-RK8-RS8-0,3/G2	43-10992
halogenfree, UL	0,6m	SAL-12S-RK8-RS8-0,6/G2	43-10993
black	1,5m	SAL-12S-RK8-RS8-1,5/G2	43-10994
Li9YFC11Y 0,25mm ²	3,0m	SAL-12S-RK8-RS8-3/G2	43-10995

For custom length or quality levels contact factory.

SAL M12X1/M8X1 CONNECTORS

Connecting cable Female connector M12x1, axial – Male connector M8x1, axial



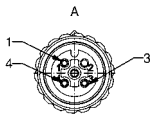
TECHNICAL DATA

Rated voltage	3-pos 60V
Current rating	4A at +40°C
Pollution degree	3/2
Insulation resistance	= 10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	-30°C to +80°C
Mating cycles	<=100

Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

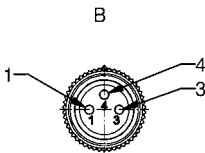
3-pos female



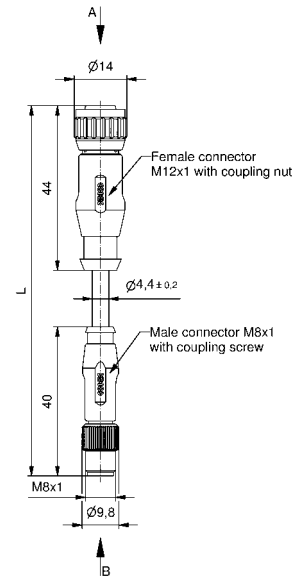
CONTACT ASSIGNMENT 3-POS

■ brown	1
■ blue	3
■ black	4

3-pos male



DIMENSION DRAWING



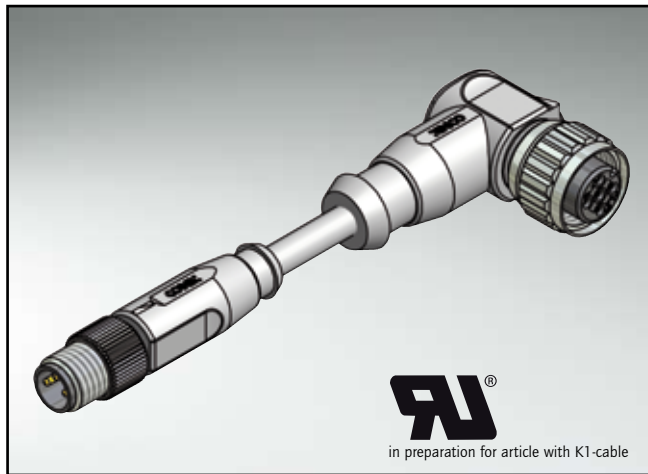
ORDER DATA

Cable	Length/L	Description	3-pos Part-no.
PVC, grey LiYY 0,25mm ²	0,3m	SAL-12-RK3-8-RS3-0,3/A1	43-11430
	0,6m	SAL-12-RK3-8-RS8-0,6/A1	43-11431
	1,5m	SAL-12-RK3-8-RS3-1,5/A1	43-11432
	3,0m	SAL-12-RK3-8-RS3-3/A1	43-11433
TPU, high flexible halogenfree, UL black Li9Y11Y 0,25mm ²	0,3m	SAL-12-RK3-8-RS3-0,3/K1	43-11434
	0,6m	SAL-12-RK3-8-RS3-0,6/K1	43-11435
	1,5m	SAL-12-RK3-8-RS3-1,5/K1	43-11436
	3,0m	SAL-12-RK3-8-RS3-3/K1	43-11437

For custom length or quality levels contact factory.

SAL M12X1/M8X1 CONNECTORS

Connecting cable Female connector M12x1, angled – Male connector M8x1, axial



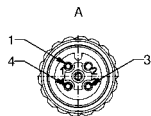
TECHNICAL DATA

Rated voltage	3-pos 60V
Current rating	4A at +40°C
Pollution degree	3/2
Insulation resistance	= 10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	-30°C to +80°C
Mating cycles	<=100

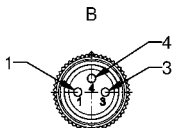
Directive 2002 95 EC
„RoHS“
Compliant

PIN CONFIGURATION

3-pos female



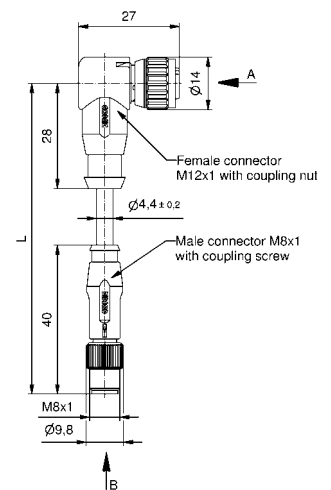
3-pos male



CONTACT ASSIGNMENT 3-POS

■ brown	1
■ blue	3
■ black	4

DIMENSION DRAWING



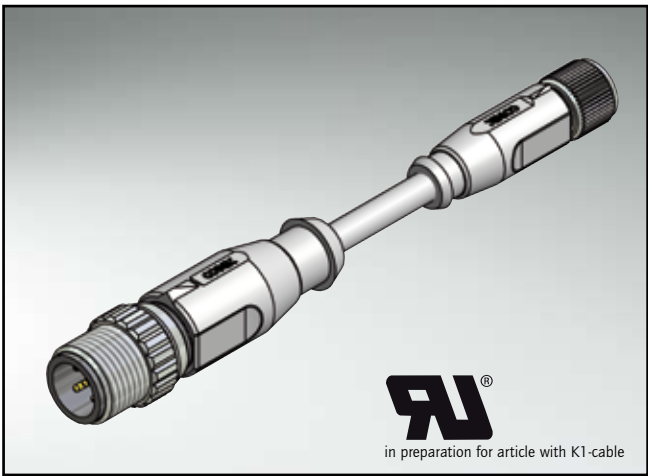
ORDER DATA

Cable	Length/L	Description	3-pos Part-no.
PVC, grey	0,3m	SAL-12-RKW3-8-RS3-0,3/A1	43-11438
LiYY 0,25mm ²	0,6m	SAL-12-RKW3-8-RS3-0,6/A1	43-11439
	1,5m	SAL-12-RKW3-8-RS3-1,5/A1	43-11440
	3,0m	SAL-12-RKW3-8-RS3-3/A1	43-11441
TPU, high flexible	0,3m	SAL-12-RKW3-8-RS3-0,3/K1	43-11442
halogenfree, UL	0,6m	SAL-12-RKW3-8-RS3-0,6/K1	43-11443
black	1,5m	SAL-12-RKW3-8-RS3-1,5/K1	43-11444
Li9Y11Y 0,25mm ²	3,0m	SAL-12-RKW3-8-RS3-3/K1	43-11445

For custom length or quality levels contact factory.

SAL M12x1/M8x1 CONNECTORS

Connecting cable Male connector M12x1, axial – Female connector M8x1, axial



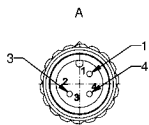
TECHNICAL DATA

Rated voltage	3-pos 60V
Current rating	4A at +40°C
Pollution degree	3/2
Insulation resistance	= 10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	-30°C to +80°C
Mating cycles	<=100

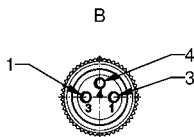
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

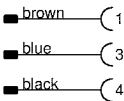
3-pos male



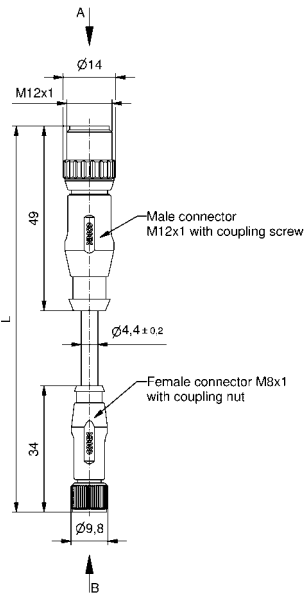
3-pos female



CONTACT ASSIGNMENT 3-POS



DIMENSION DRAWING



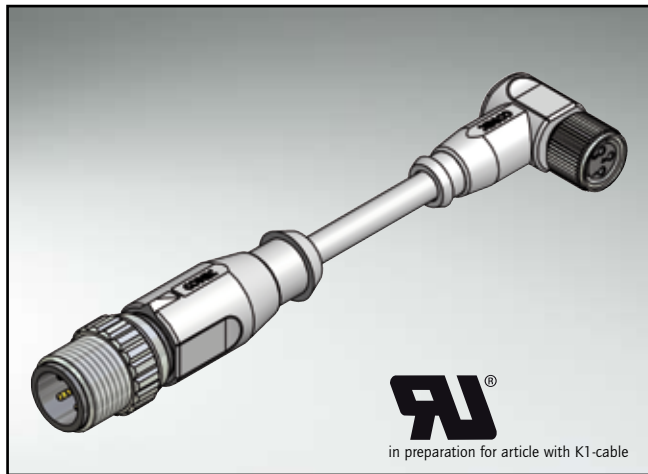
ORDER DATA

Cable	Length/L	Description	3-pos Part-no.
PVC, grey LiYY 0,25mm ²	0,3m	SAL-12-RS3-8-RK3-0,3/A1	43-11446
	0,6m	SAL-12-RS3-8-RK3-0,6/A1	43-11447
	1,5m	SAL-12-RS3-8-RK3-1,5/A1	43-11448
	3,0m	SAL-12-RS3-8-RK3-3/A1	43-11449
TPU, high flexible halogenfree, UL black Li9Y11Y 0,25mm ²	0,3m	SAL-12-RS3-8-RK3-0,3/K1	43-11450
	0,6m	SAL-12-RS3-8-RK3-0,6/K1	43-11451
	1,5m	SAL-12-RS3-8-RK3-1,5/K1	43-11452
	3,0m	SAL-12-RS3-8-RK3-3/K1	43-11453

For custom length or quality levels contact factory.

SAL M12X1/M8X1 CONNECTORS

Connecting cable Male connector M12x1, axial – Female connector M8x1, angled



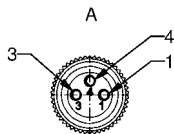
TECHNICAL DATA

Rated voltage	3-pos 60V
Current rating	4A at +40°C
Pollution degree	3/2
Insulation resistance	= 10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	-30°C to +80°C
Mating cycles	<=100

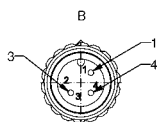
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

3-pos female



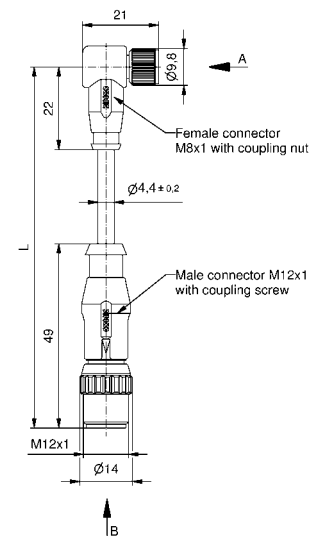
3-pos male



CONTACT ASSIGNMENT 3-POS

■ brown	1
■ blue	3
■ black	4

DIMENSION DRAWING



ORDER DATA

Cable	Length/L	Description	3-pos Part-no.
PVC, grey	0,3m	SAL-12-RS3-8-RKW3-0,3/A1	43-11454
LiYY 0,25mm ²	0,6m	SAL-12-RS3-8-RKW3-0,6/A1	43-11455
	1,5m	SAL-12-RS3-8-RKW3-1,5/A1	43-11456
	3,0m	SAL-12-RS3-8-RKW3-3/A1	43-11457
TPU, high flexible	0,3m	SAL-12-RS3-8-RKW3-0,3/K1	43-11458
halogenfree, UL	0,6m	SAL-12-RS3-8-RKW3-0,6/K1	43-11459
black	1,5m	SAL-12-RS3-8-RKW3-1,5/K1	43-11460
Li9Y11Y 0,25mm ²	3,0m	SAL-12-RS3-8-RKW3-3/K1	43-11461

For custom length or quality levels contact factory.

SECTION 2

CONNECTORS FIELD-ATTACHABLE





Field attachable connectors from CONEC give you the freedom and flexibility to react to the cabling situation on site. Practical, cost-effective and, above all, flexible solutions for quick cabling are required for both small series as well as special purpose machines. This program comprises connectors and adapters – naturally with anti-vibration locking – in a straight or angled construction as well as in shielded versions. You can choose between screw and clamp connections as well as a maximum cable diameter of 6 or 8 mm.

SAL M12X1 CONNECTORS FIELD-ATTACHABLE

Nomenclature

S	A	L	-	1	2	-	R	K	W	C	4	-	S	6
SAL Sensor Actor Line														
Installation size 12 = M12x1														
Coding S = A-coding S = A-coding shielded														
Building R = Circular connector														
Configuration K = Female connector S = Male connector														
Building W = Standard W = Angled														
Building C = Field-attachable														
Number of poles 4 = 4-pos 5 = 5-pos														
Type of connection S = Screw termination K = Clamp connection														
Max. cable outer diameter 6 = 4-6mm Cable sealing 8 = 6-8mm Cable sealing														

SAL M12X1 CONNECTORS FIELD-ATTACHABLE

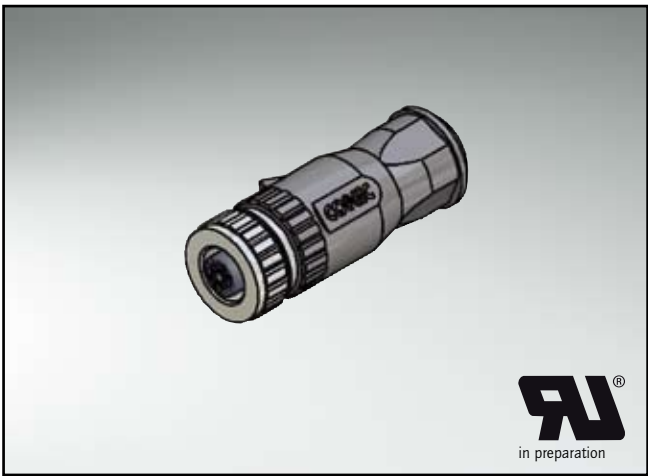
Technical Data

Basic material	
Contact	CuZn
Contact plating	Nickel-plated, gold-plated
Contact carrier	PA6, UL 94
Housing	Standard: PA6 GF, UL 94 / Shielded: Die Cast, nickel-plated
Clamp-/screw contact	Stainless steel nickel-plated
Cable sealing	Elastomere
O-Ring	FPM
Coupling nut/-screw	Die Cast, nickel-plated
Information on the following pages are basing on below mentioned IEC-standards.	
Rated voltage	IEC 61076-2-101
Current rating	IEC 61076-2-101
Insulation resistance	IEC 60512-2
Pollution degree	IEC 60664-1
Degree of protection	IEC 60529
Temperature range	IEC 60664-1
Mating cycles	IEC 61076-2-101

Technical subject to change without notice.

SAL M12X1 CONNECTORS

Female connector, axial, field-attachable with clamp connection



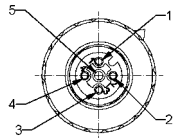
TECHNICAL DATA

Rated voltage	4-pos 250V	5-pos 60V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +85°C	
Mating cycles	<=100	

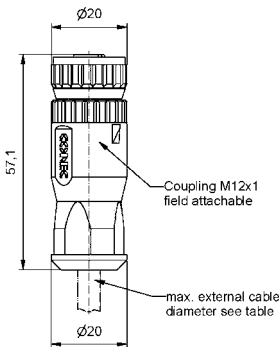
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

4 - 5-pos



DIMENSION DRAWING

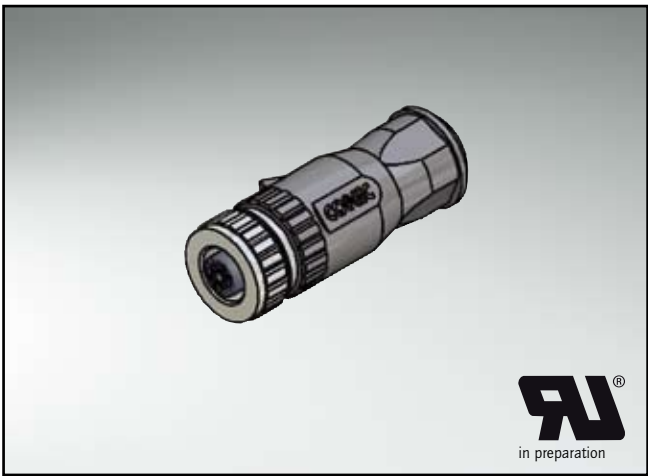


ORDER DATA

Cable outer diameter	Description	4-pos Part-no.	Description	5-pos Part-no.
max. Ø6mm	SAL-12-RKC4-K6	43-00001	SAL-12-RKC5-K6	43-00003
max. Ø8mm	SAL-12-RKC4-K8	43-00002	SAL-12-RKC5-K8	43-00004

SAL M12X1 CONNECTORS

Female connector, axial, field-attachable with screw termination



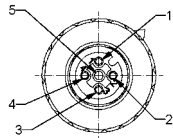
TECHNICAL DATA

Rated voltage	4-pos 250V	5-pos 60V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +85°C	
Mating cycles	<=100	

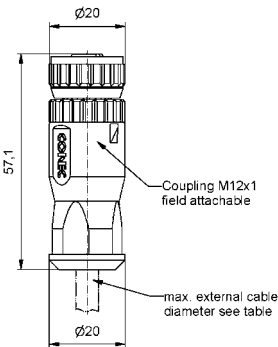
Directive 2002 95 EC
„RoHS“
Compliant

PIN CONFIGURATION

4 - 5-pos



DIMENSION DRAWING

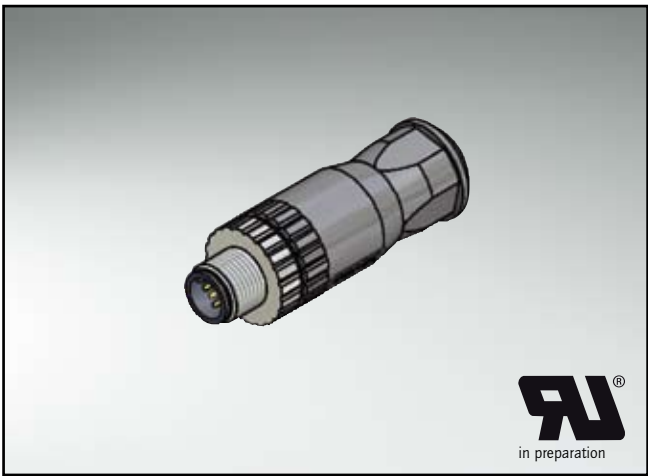


ORDER DATA

Cable outer diameter	Description	4-pos Part-no.	Description	5-pos Part-no.
max. Ø6mm	SAL-12-RKC4-S6	43-00005	SAL-12-RKC5-S6	43-00007
max. Ø8mm	SAL-12-RKC4-S8	43-00006	SAL-12-RKC5-S8	43-00008

SAL M12X1 CONNECTORS

Male connector, axial, field-attachable with clamp connection



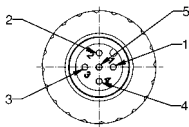
TECHNICAL DATA

Rated voltage	4-pos 250V	5-pos 60V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +85°C	
Mating cycles	<=100	

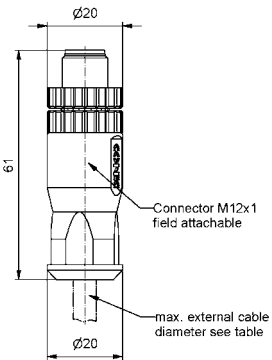
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

4 - 5-pos



DIMENSION DRAWING

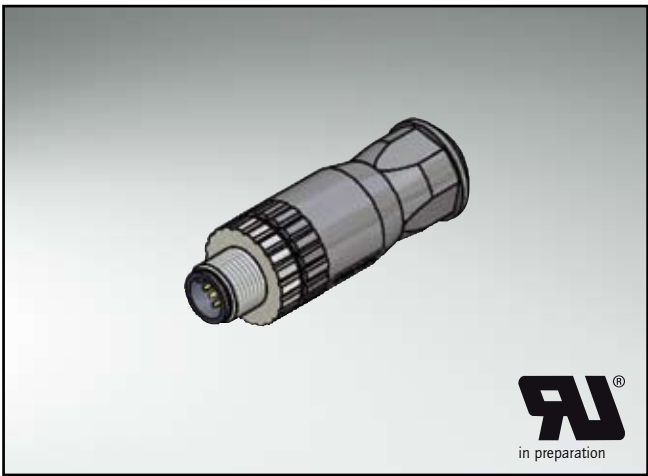


ORDER DATA

Cable outer diameter	Description	4-pos Part-no.	Description	5-pos Part-no.
max. Ø6mm	SAL-12-RSC4-K6	43-00017	SAL-12-RSC5-K6	43-00019
max. Ø8mm	SAL-12-RSC4-K8	43-00018	SAL-12-RSC5-K8	43-00020

SAL M12X1 CONNECTORS

Male connector, axial, field-attachable with screw termination



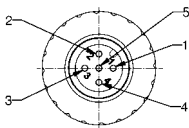
TECHNICAL DATA

Rated voltage	4-pos 250V	5-pos 60V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +85°C	
Mating cycles	<=100	

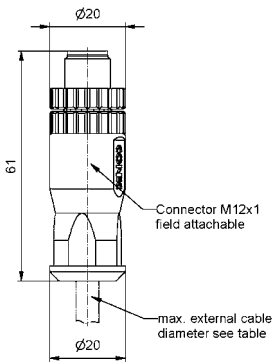
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

4 - 5-pos



DIMENSION DRAWING

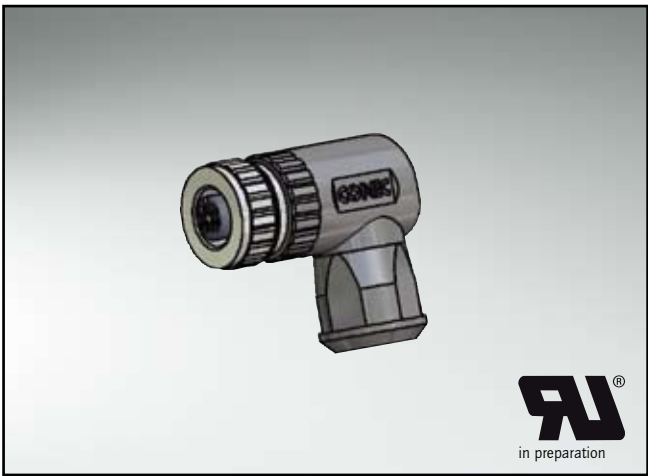


ORDER DATA

Cable outer diameter	Description	4-pos Part-no.	Description	5-pos Part-no.
max. Ø6mm	SAL-12-RSC4-S6	43-00021	SAL-12-RSC5-S6	43-00023
max. Ø8mm	SAL-12-RSC4-S8	43-00022	SAL-12-RSC5-S8	43-00024

SAL M12X1 CONNECTORS

Female connector, angled, field-attachable with clamp connection



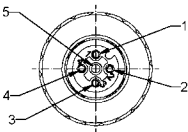
TECHNICAL DATA

Rated voltage	4-pos 250V	5-pos 60V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +85°C	
Mating cycles	<=100	

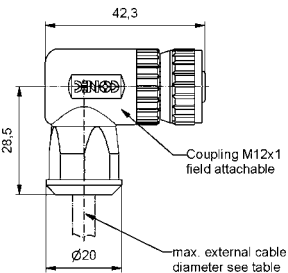
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

4 - 5-pos



DIMENSION DRAWING

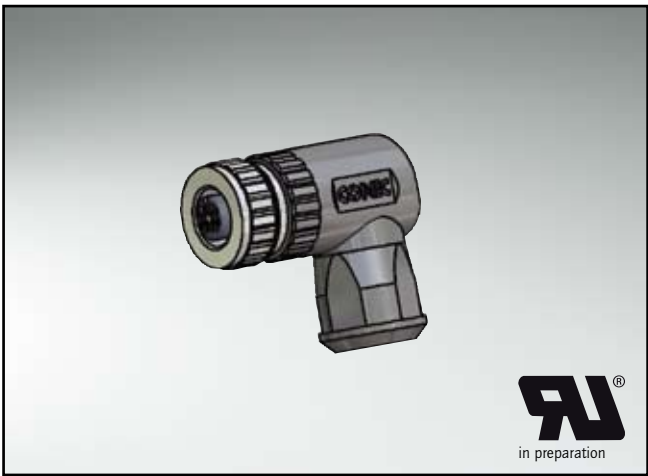


ORDER DATA

Cable outer diameter	Description	4-pos Part-no.	Description	5-pos Part-no.
max. Ø6mm	SAL-12-RKWC4-K6	43-00009	SAL-12-RKWC5-K6	43-00011
max. Ø8mm	SAL-12-RKWC4-K8	43-00010	SAL-12-RKWC5-K8	43-00012

SAL M12X1 CONNECTORS

Female connector, angled, field-attachable with screw termination



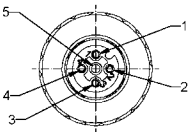
TECHNICAL DATA

Rated voltage	4-pos 250V	5-pos 60V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +85°C	
Mating cycles	<=100	

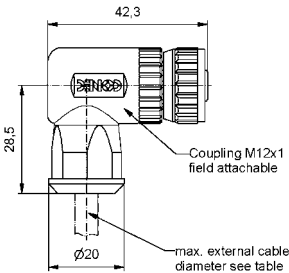
Directive 2002 95 EC
„RoHS“
Compliant

PIN CONFIGURATION

4 - 5-pos



DIMENSION DRAWING

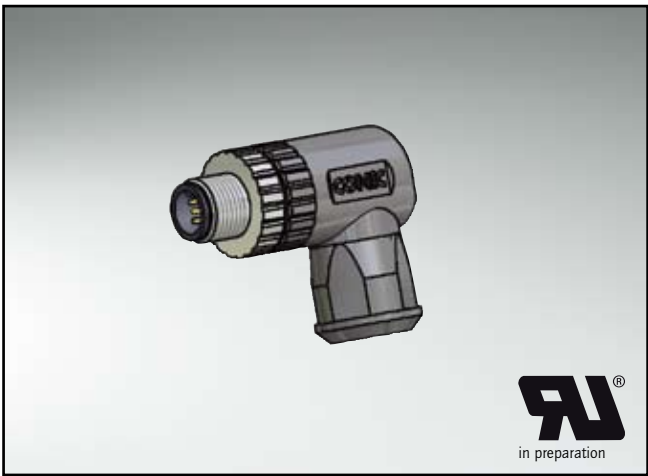


ORDER DATA

Cable outer diameter	Description	4-pos Part-no.	Description	5-pos Part-no.
max. Ø6mm	SAL-12-RKWC4-S6	43-00013	SAL-12-RKWC5-S6	43-00015
max. Ø8mm	SAL-12-RKWC4-S8	43-00014	SAL-12-RKWC5-S8	43-00016

SAL M12X1 CONNECTORS

Male connector, angled, field-attachable with clamp connection



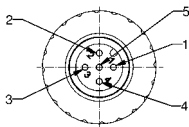
TECHNICAL DATA

Rated voltage	4-pos 250V	5-pos 60V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +85°C	
Mating cycles	<=100	

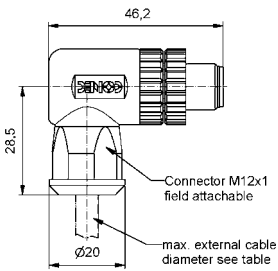
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

4 - 5-pos



DIMENSION DRAWING

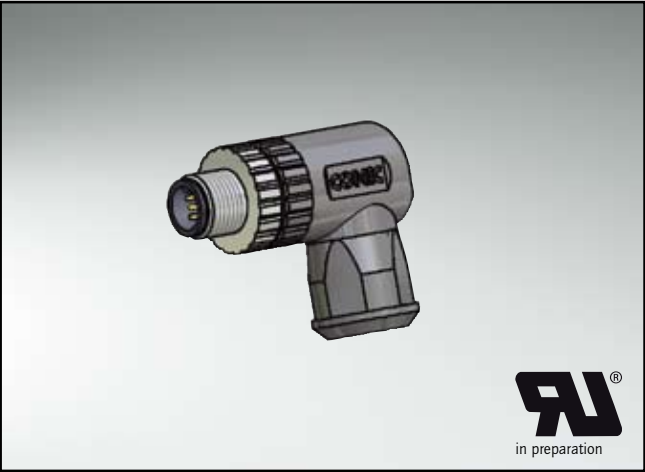


ORDER DATA

Cable outer diameter	Description	4-pos Part-no.	Description	5-pos Part-no.
max. Ø6mm	SAL-12-RSWC4-K6	43-00025	SAL-12-RSWC5-K6	43-00027
max. Ø8mm	SAL-12-RSWC4-K8	43-00026	SAL-12-RSWC5-K8	43-00028

SAL M12X1 CONNECTORS

Male connector, angled, field-attachable with screw termination



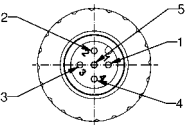
TECHNICAL DATA

Rated voltage	4-pos 250V	5-pos 60V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +85°C	
Mating cycles	<=100	

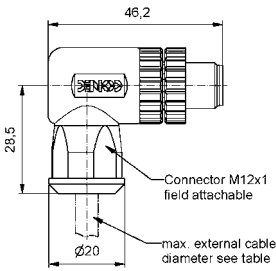
Directive 2002 95 EC
„RoHS“
Compliant

PIN CONFIGURATION

4 - 5-pos



DIMENSION DRAWING

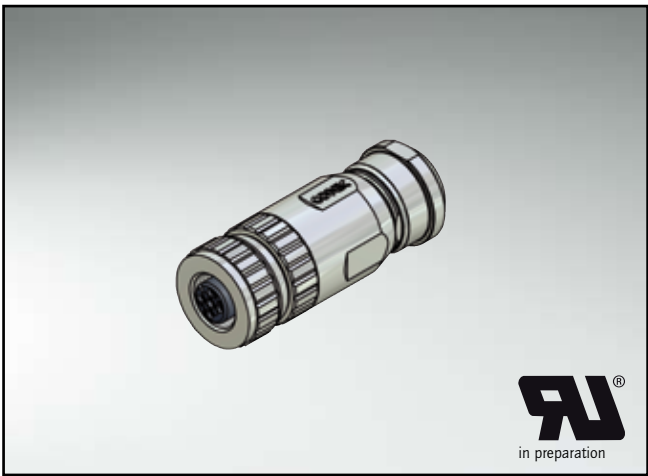


ORDER DATA

Cable outer diameter	Description	4-pos Part-no.	Description	5-pos Part-no.
max. Ø6mm	SAL-12-RSWC4-S6	43-00029	SAL-12-RSWC5-S6	43-00031
max. Ø8mm	SAL-12-RSWC4-S8	43-00030	SAL-12-RSWC5-S8	43-00032

SAL M12X1 CONNECTORS

Female connector, axial, field-attachable, shielded with clamp connection



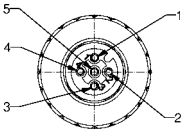
TECHNICAL DATA

Rated voltage	4-pos 250V	5-pos 60V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +85°C	
Mating cycles	<=100	

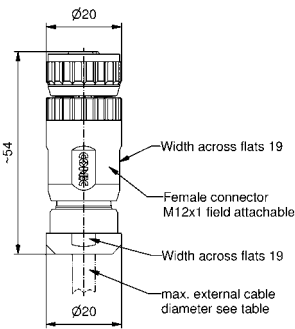
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

4 - 5-pos



DIMENSION DRAWING

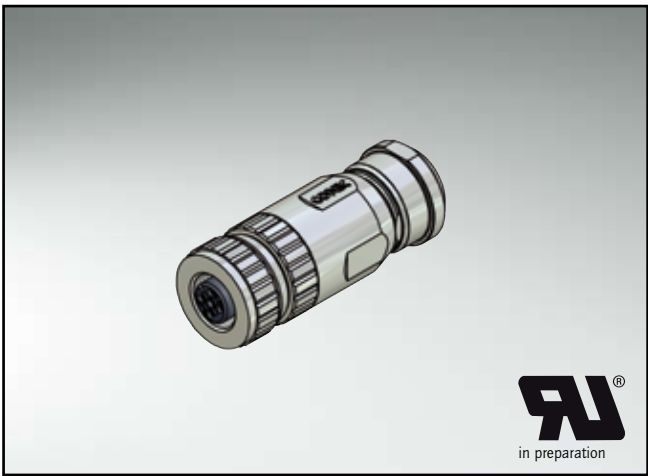


ORDER DATA

Cable outer diameter	Description	4-pos Part-no.	Description	5-pos Part-no.
max. Ø6mm	SAL-12S-RKC4-K6	43-00040	SAL-12S-RKC5-K6	43-00042
max. Ø8mm	SAL-12S-RKC4-K8	43-00041	SAL-12S-RKC5-K8	43-00043

SAL M12X1 CONNECTORS

Female connector, axial, field-attachable, shielded with screw termination



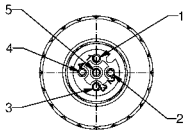
TECHNICAL DATA

Rated voltage	4-pos 250V	5-pos 60V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +85°C	
Mating cycles	<=100	

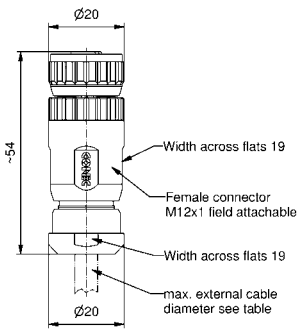
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

4 - 5-pos



DIMENSION DRAWING

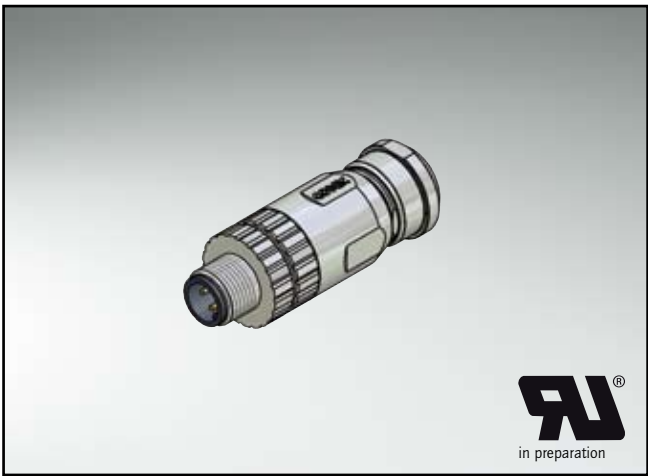


ORDER DATA

Cable outer diameter	Description	4-pos Part-no.	Description	5-pos Part-no.
max. Ø6mm	SAL-12S-RKC4-S6	43-00044	SAL-12S-RKC5-S6	43-00046
max. Ø8mm	SAL-12S-RKC4-S8	43-00045	SAL-12S-RKC5-S8	43-00047

SAL M12X1 CONNECTORS

Male connector, axial, field-attachable, shielded with clamp connection



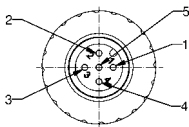
TECHNICAL DATA

Rated voltage	4-pos 250V	5-pos 60V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +85°C	
Mating cycles	<=100	

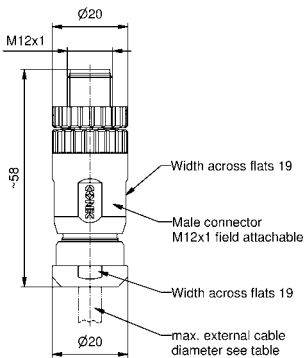
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

4 - 5-pos



DIMENSION DRAWING

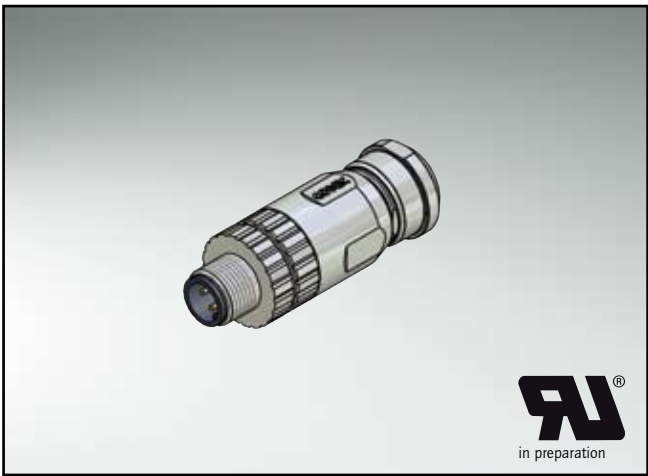


ORDER DATA

Cable outer diameter	Description	4-pos Part-no.	Description	5-pos Part-no.
max. Ø6mm	SAL-12S-RSC4-K6	43-00048	SAL-12S-RSC5-K6	43-00050
max. Ø8mm	SAL-12S-RSC4-K8	43-00049	SAL-12S-RSC5-K8	43-00051

SAL M12X1 CONNECTORS

Male connector, axial, field-attachable, shielded with screw termination



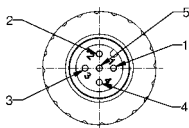
TECHNICAL DATA

Rated voltage	4-pos 250V	5-pos 60V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +85°C	
Mating cycles	<=100	

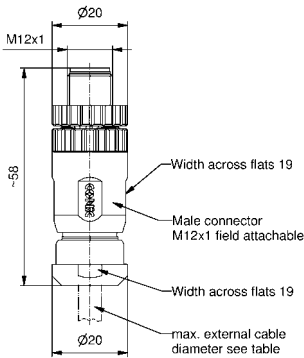
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

4 - 5-pos



DIMENSION DRAWING



ORDER DATA

Cable outer diameter	Description	4-pos Part-no.	Description	5-pos Part-no.
max. Ø6mm	SAL-12S-RSC4-S6	43-00052	SAL-12S-RSC5-S6	43-00054
max. Ø8mm	SAL-12S-RSC4-S8	43-00053	SAL-12S-RSC5-S8	43-00055

SECTION 3

SOCKETS M12X1





Connectors and adapters are available in different pin configurations with 0.5 mm long single wires as well as pin contacts for the M12x1 connection to the device.

Front mounted flange connectors with wires are also available. They also can be positioned with a lock nut. Flange connectors and adapters for rear housing assembly with different length pin contacts for soldering directly on the printed circuit board complete the program.

An installation flange for direct assembly on the printed circuit board is also available with a shielded connection option in an axial and angled version. A spring-loaded shield plate connects the flange housing directly to the printed circuit board, which is especially important in bus applications. All products in this series are designed for a printed circuit board thickness of 1.6 mm and a device wall thickness of 2-3 mm. You can select from two different installation heights (10.0 mm and 5.5 mm) for the axial version.



SAL M12X1 SOCKETS

Nomenclature

SAL
Sensor Actor Line

Installation size
12 = M12

Coding
S = A-coding shielded

Building
F = Socket

Configuration
K = Female connector
S = Male connector

Assembly
= Frontmounting
P = Positioning possible
H = Backmounting

Building
W = Axial
= Angled

Number of poles
4 = 4-pos
5 = 5-pos
8 = 8-pos

Type of connection
P5,5 = Length [mm]
P12 = Length [mm]
XX = Length of wire [m]
X5,5 = Installation height [mm]
X10 = Installation height [mm]

Screw connection
= M16x1,5
9 = PG9

SAL M12X1 SOCKETS

Technical Data

Basic material	
Contact	CuZn
Contact plating	Nickel-plated, gold-plated
Contact carrier	PBT GF, UL 94 / PA GF, UL 94
Sealing	FPM
Counter nut	CuZn, nickel-plated
Socket housing	CuZn, nickel-plated
Grouting	Polyurethane-resin, UL 94
Shroud	CuSn6
Shroud plated	Sn plated

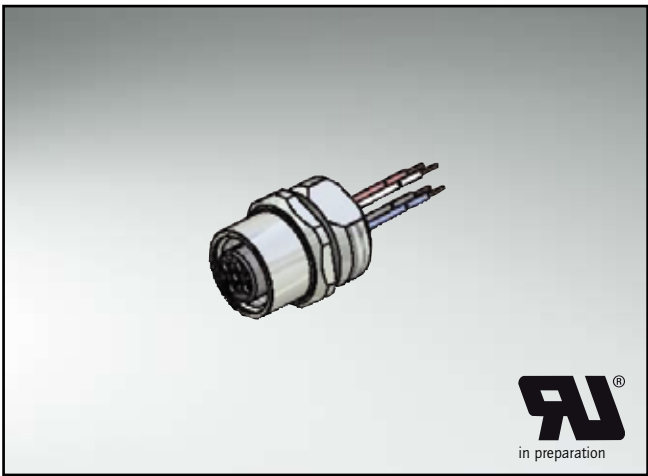
Information on the following pages are basing on below mentioned IEC-standards.

Rated voltage	IEC 61076-2-101
Current rating	IEC 61076-2-101
Insulation resistance	IEC 60512-2
Pollution degree	IEC 60664-1
Degree of protection	IEC 60529
Temperature range	IEC 60664-1
Mating cycles	IEC 61076-2-101

Technical subject to change without notice.

SAL M12X1 CONNECTORS

Female socket with wire, frontmounting, M16x1,5-thread



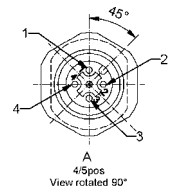
TECHNICAL DATA

Rated voltage	4-pos 250V	5-pos 60V	8-pos 30V
Current rating	4-/5-pos: 4A at +40°C 8-pos: 2A at +40°C		
Pollution degree	3/2		
Insulation resistance	=10 ⁹ Ω		
Degree of protection	IP67 in mated condition		
Temperature range	-30°C to +85°C		
Mating cycles	<=100		

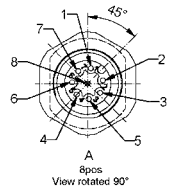
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PIN CONFIGURATION

4 - 5-pos



8-pos



CONTACT ASSIGNMENT 4 - 5-POS

- brown — 1
- white — 2
- blue — 3
- black — 4
- green-yellow — 5

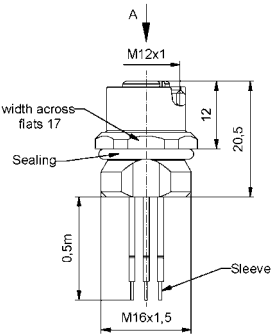
CONTACT ASSIGNMENT 5.1-POS

- brown — 1
- white — 2
- blue — 3
- black — 4
- grey — 5

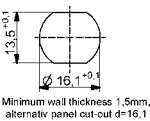
CONTACT ASSIGNMENT 8-POS

- | | |
|------------|----------|
| white — 1 | grey — 5 |
| brown — 2 | pink — 6 |
| green — 3 | blue — 7 |
| yellow — 4 | red — 8 |

DIMENSION DRAWING



CUT-OUT FRONT PANEL

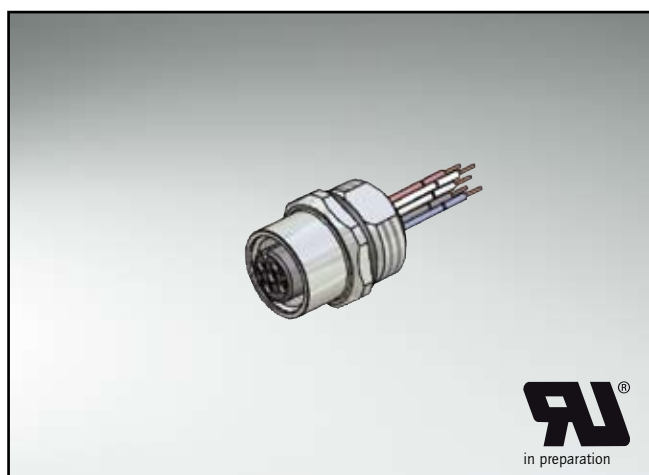


ORDER DATA

Wire	Length/L	Description	4-pos Part-no.	Description	5-pos Part-no.	Description	8-pos Part-no.
PVC, UL AWG 24	0,5m	SAL-12-FK4-0,5	43-01000	SAL-12-FK5-0,5	43-01001	SAL-12-FK8-0,5	43-01002
	0,5m			SAL-12-FK5.1-0,5	43-01045		
Accessories Please order separately		Counter nut	43-01155				

SAL M12X1 CONNECTORS

Female socket with wire, frontmounting, PG9-thread



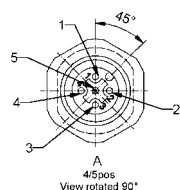
TECHNICAL DATA

Rated voltage	4-pos 250V	5-pos 60V	8-pos 30V
Current rating	4-/5-pos: 4A at +40°C 8-pos: 2A at +40°C		
Pollution degree	3/2		
Insulation resistance	= 10 ⁹ Ω		
Degree of protection	IP67 in mated condition		
Temperature range	-30°C to +85°C		
Mating cycles	<=100		

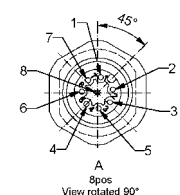
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Compliant

PIN CONFIGURATION

4 - 5-pos



8-pos



CONTACT ASSIGNMENT 4 - 5-POS

brown	1
white	2
blue	3
black	4
green-yellow	5

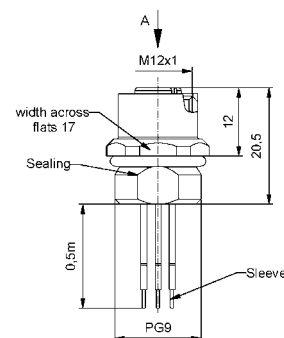
CONTACT ASSIGNMENT 5.1-POS

brown	1
white	2
blue	3
black	4
grey	5

CONTACT ASSIGNMENT 8-POS

white	1	grey	5
brown	2	pink	6
green	3	blue	7
yellow	4	red	8

DIMENSION DRAWING



CUT-OUT FRONT PANEL

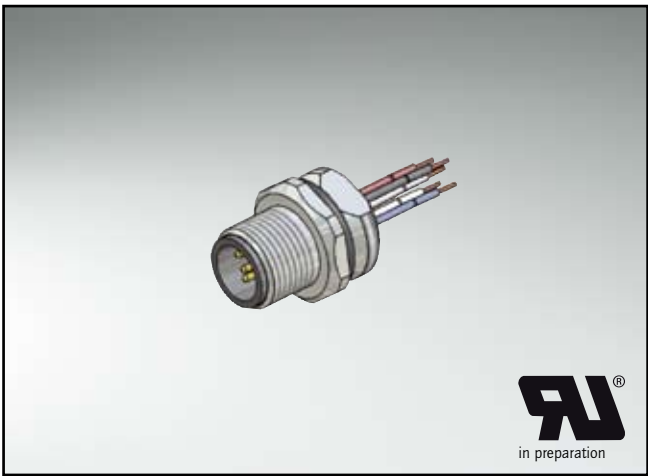


ORDER DATA

Wire	Length/L	Description	4-pos Part-no.	Description	5-pos Part-no.	Description	8-pos Part-no.
PVC, UL AWG 24	0,5m	SAL-12-FK4-0,5-9	43-01073	SAL-12-FK5-0,5-9	43-01075	SAL-12-FK8-0,5-9	43-01097
	0,5m			SAL-12-FK5.1-0,5-9	43-01074		
Accessories Please order separately		Counter nut	43-01156				

SAL M12X1 CONNECTORS

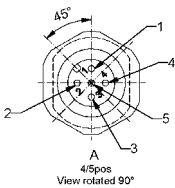
Male socket with wire, frontmounting, M16x1,5-thread



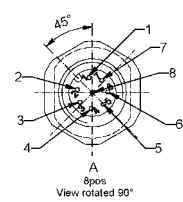
TECHNICAL DATA			
Rated voltage	4-pos 250V	5-pos 60V	8-pos 30V
Current rating	4-/5-pos: 4A at +40°C 8-pos: 2A at +40°C		
Pollution degree	3/2		
Insulation resistance	= 10 ⁹ Ω		
Degree of protection	IP67 in mated condition		
Temperature range	-30°C to +85°C		
Mating cycles	<=100		
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PIN CONFIGURATION

4 - 5-pos



8-pos



CONTACT ASSIGNMENT 4 - 5-POS

- 1 brown
- 2 white
- 3 blue
- 4 black
- 5 green-yellow

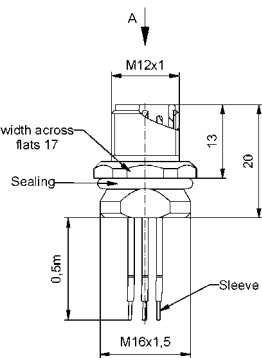
CONTACT ASSIGNMENT 5.1-POS

- 1 brown
- 2 white
- 3 blue
- 4 black
- 5 grey

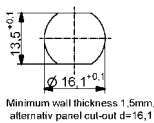
CONTACT ASSIGNMENT 8-POS

- 1 white
- 2 brown
- 3 green
- 4 yellow
- 5 grey
- 6 pink
- 7 blue
- 8 red

DIMENSION DRAWING



CUT-OUT FRONT PANEL

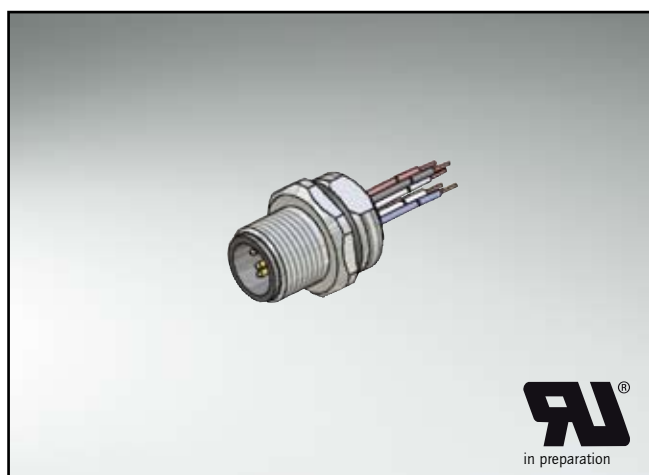


ORDER DATA

Wire	Length/L	Description	4-pos Part-no.	Description	5-pos Part-no.	Description	8-pos Part-no.
PVC, UL AWG 24	0,5m	SAL-12-FS4-0,5	43-01009	SAL-12-FS5-0,5	43-01010	SAL-12-FS8-0,5	43-01011
	0,5m			SAL-12-FS5.1-0,5	43-01049		
Accessories Please order separately		Counter nut	43-01155				

SAL M12X1 CONNECTORS

Male socket with wire, frontmounting, PG9-thread



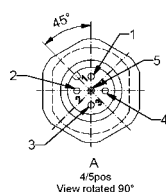
TECHNICAL DATA

Rated voltage	4-pos 250V	5-pos 60V	8-pos 30V
Current rating	4-/5-pos: 4A at +40°C 8-pos: 2A at +40°C		
Pollution degree	3/2		
Insulation resistance	= 10 ⁹ Ω		
Degree of protection	IP67 in mated condition		
Temperature range	-30°C to +85°C		
Mating cycles	<=100		

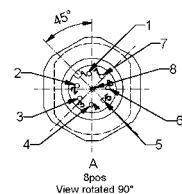
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PIN CONFIGURATION

4 - 5-pos



8-pos



CONTACT ASSIGNMENT 4 - 5-POS

brown	1
white	2
blue	3
black	4
green-yellow	5

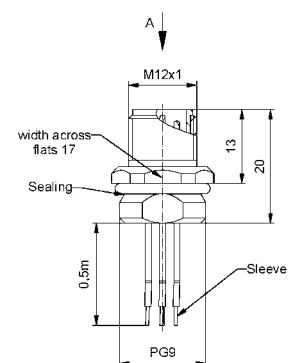
CONTACT ASSIGNMENT 5.1-POS

brown	1
white	2
blue	3
black	4
grey	5

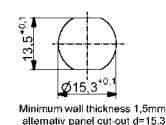
CONTACT ASSIGNMENT 8-POS

white	1	grey	5
brown	2	pink	6
green	3	blue	7
yellow	4	red	8

DIMENSION DRAWING



CUT-OUT FRONT PANEL



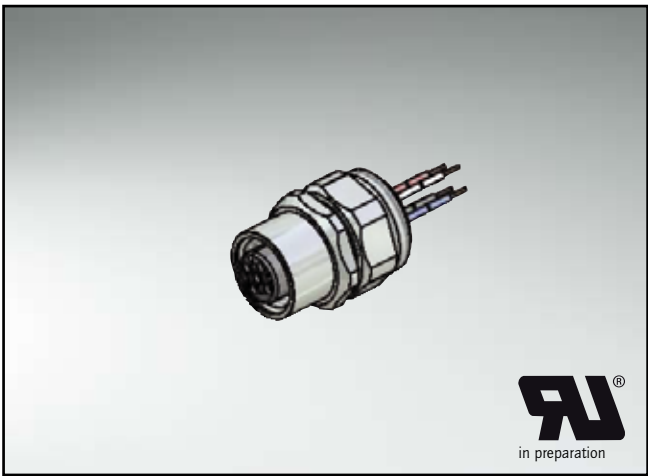
Minimum wall thickness 1.5mm,
alternativ panel cut-out d=15,3

ORDER DATA

Wire	Length/L	Description	4-pos Part-no.	Description	5-pos Part-no.	Description	8-pos Part-no.
PVC, UL AWG 24	0,5m	SAL-12-FS4-0,5-9	43-01082	SAL-12-FS5-0,5-9	43-01084	SAL-12-FS8-0,5-9	43-01099
	0,5m			SAL-12-FS5.1-0,5-9	43-01083		
Accessories Please order separately		Counter nut	43-01156				

SAL M12X1 CONNECTORS

Female socket with wire, frontmounting, positioning possible, M16x1,5-thread

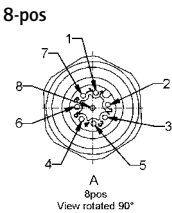
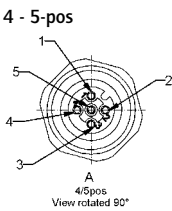


TECHNICAL DATA

Rated voltage	4-pos 250V	5-pos 60V	8-pos 30V
Current rating	4-/5-pos: 4A at +40°C 8-pos: 2A at +40°C		
Pollution degree	3/2		
Insulation resistance	= 10 ⁹ Ω		
Degree of protection	IP67 in mated condition		
Temperature range	-30°C to +85°C		
Mating cycles	<=100		

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PIN CONFIGURATION



CONTACT ASSIGNMENT 4 - 5-POS

- brown — 1
- white — 2
- blue — 3
- black — 4
- green-yellow — 5

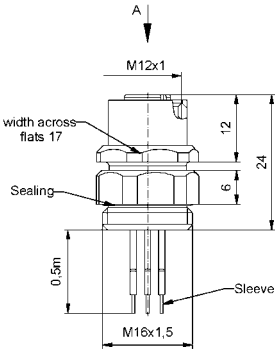
CONTACT ASSIGNMENT 5.1-POS

- brown — 1
- white — 2
- blue — 3
- black — 4
- grey — 5

CONTACT ASSIGNMENT 8-POS

- | | |
|------------|----------|
| white — 1 | grey — 5 |
| brown — 2 | pink — 6 |
| green — 3 | blue — 7 |
| yellow — 4 | red — 8 |

DIMENSION DRAWING

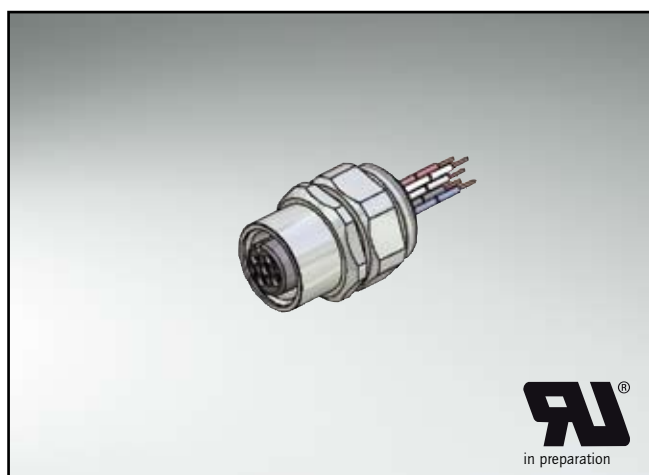


ORDER DATA

Wire	Length/L	Description	4-pos Part-no.	Description	5-pos Part-no.	Description	8-pos Part-no.
PVC, UL AWG 24	0,5m	SAL-12-FKP4-0,5	43-01006	SAL-12-FKP5-0,5 SAL-12-FKP5.1-0,5	43-01007 43-01053	SAL-12-FKP8-0,5	43-01008
Accessories Please order separately		Counter nut	43-01155				

SAL M12X1 CONNECTORS

Female socket with wire, frontmounting, positioning possible, PG9-thread



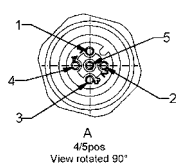
TECHNICAL DATA

Rated voltage	4-pos 250V	5-pos 60V	8-pos 30V
Current rating	4-/5-pos: 4A at +40°C 8-pos: 2A at +40°C		
Pollution degree	3/2		
Insulation resistance	= 10 ⁹ Ω		
Degree of protection	IP67 in mated condition		
Temperature range	-30°C to +85°C		
Mating cycles	<=100		

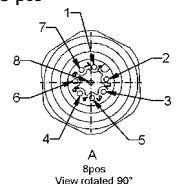
Directive 2002 95 EC
„RoHS“
Compliant

PIN CONFIGURATION

4 - 5-pos



8-pos



CONTACT ASSIGNMENT 4 - 5-POS

brown	1
white	2
blue	3
black	4
green-yellow	5

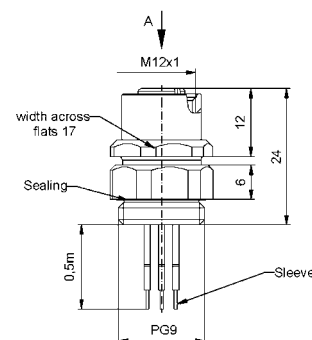
CONTACT ASSIGNMENT 5.1-POS

brown	1
white	2
blue	3
black	4
grey	5

CONTACT ASSIGNMENT 8-POS

white	1	grey	5
brown	2	pink	6
green	3	blue	7
yellow	4	red	8

DIMENSION DRAWING

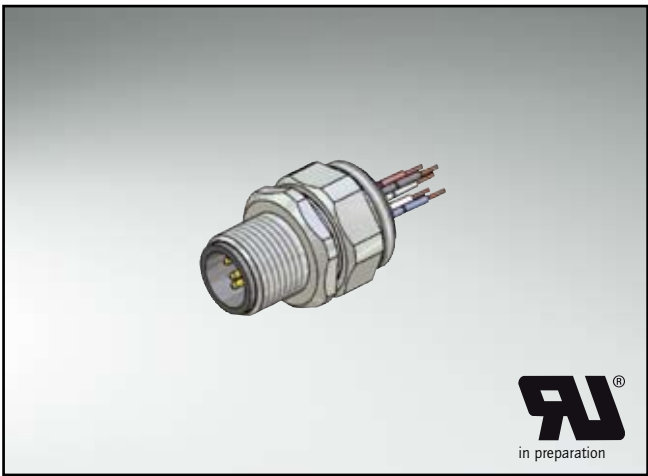


ORDER DATA

Wire	Length/L	Description	4-pos Part-no.	Description	5-pos Part-no.	Description	8-pos Part-no.
PVC, UL AWG 24	0,5m	SAL-12-FKP4-0,5-9	43-01091	SAL-12-FKP5-0,5-9	43-01093	SAL-12-FKP8-0,5-9	43-01101
				SAL-12-FKP5.1-0,5-9	43-01092		
Accessories Please order separately		Counter nut	43-01156				

SAL M12X1 CONNECTORS

Male socket with wire, frontmounting, positioning possible, M16x1,5-thread



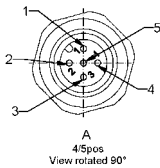
TECHNICAL DATA

Rated voltage	4-pos 250V	5-pos 60V	8-pos 30V
Current rating	4-/5-pos: 4A at +40°C 8-pos: 2A at +40°C		
Pollution degree	3/2		
Insulation resistance	= 10 ⁹ Ω		
Degree of protection	IP67 in mated condition		
Temperature range	-30°C to +85°C		
Mating cycles	<=100		

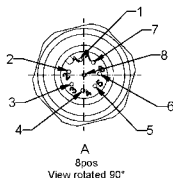
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

4 - 5-pos



8-pos



CONTACT ASSIGNMENT 4 - 5-POS

- brown — 1
- white — 2
- blue — 3
- black — 4
- green-yellow — 5

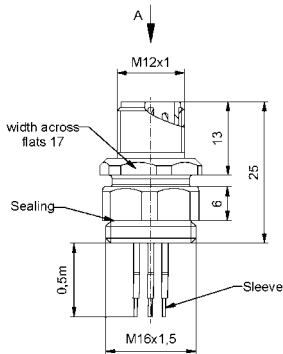
CONTACT ASSIGNMENT 5.1-POS

- brown — 1
- white — 2
- blue — 3
- black — 4
- grey — 5

CONTACT ASSIGNMENT 8-POS

- | | |
|------------|----------|
| white — 1 | grey — 5 |
| brown — 2 | pink — 6 |
| green — 3 | blue — 7 |
| yellow — 4 | red — 8 |

DIMENSION DRAWING

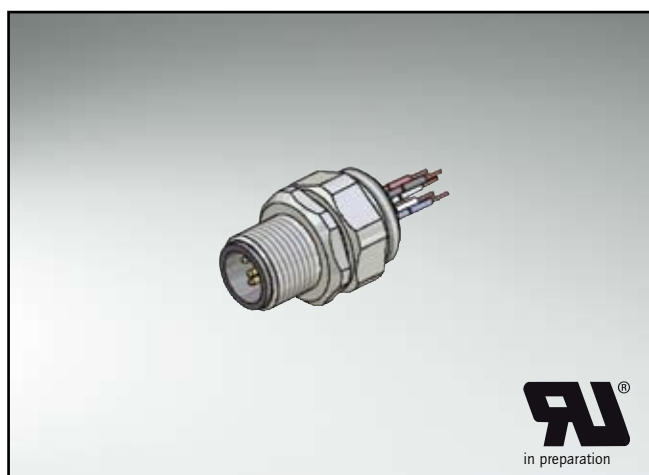


ORDER DATA

Wire	Length/L	Description	4-pos Part-no.	Description	5-pos Part-no.	Description	8-pos Part-no.
PVC, UL AWG 24	0,5m	SAL-12-FSP4-0,5	43-01015	SAL-12-FSP5-0,5 SAL-12-FSP5.1-0,5	43-01016 43-01054	SAL-12-FSP8-0,5	43-01017
Accessories Please order separately		Counter nut	43-01155				

SAL M12X1 CONNECTORS

Male socket with wire, frontmounting, positioning possible, PG9-thread



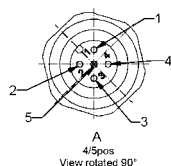
TECHNICAL DATA

Rated voltage	4-pos 250V	5-pos 60V	8-pos 30V
Current rating	4-/5-pos: 4A at +40°C 8-pos: 2A at +40°C		
Pollution degree	3/2		
Insulation resistance	= 10 ⁹ Ω		
Degree of protection	IP67 in mated condition		
Temperature range	-30°C to +85°C		
Mating cycles	<=100		

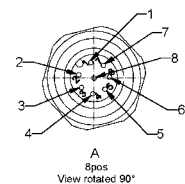
Directive 2002 95 EC
„RoHS“
Compliant

PIN CONFIGURATION

4 - 5-pos



8-pos



CONTACT ASSIGNMENT 4 - 5-POS

brown	1
white	2
blue	3
black	4
green-yellow	5

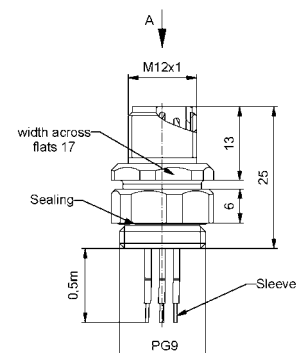
CONTACT ASSIGNMENT 5.1-POS

brown	1
white	2
blue	3
black	4
grey	5

CONTACT ASSIGNMENT 8-POS

white	1	grey	5
brown	2	pink	6
green	3	blue	7
yellow	4	red	8

DIMENSION DRAWING

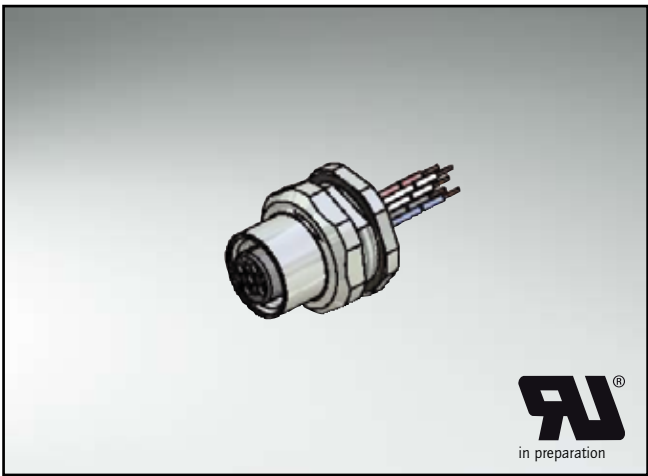


ORDER DATA

Wire	Length/L	Description	4-pos Part-no.	Description	5-pos Part-no.	Description	8-pos Part-no.
PVC, UL AWG 24	0,5m	SAL-12-FSP4-0,5-9	43-01094	SAL-12-FSP5-0,5-9 SAL-12-FSP5.1-0,5-9	43-01096 43-01095	SAL-12-FSP8-0,5-9	43-01102
Accessories Please order separately		Counter nut	43-01156				

SAL M12X1 CONNECTORS

Female socket with wire, backmounting, M16x1,5-thread



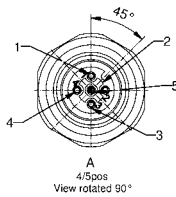
TECHNICAL DATA

Rated voltage	4-pos 250V	5-pos 60V	8-pos 30V
Current rating	4-/5-pos: 4A at +40°C 8-pos: 2A at +40°C		
Pollution degree	3/2		
Insulation resistance	= 10 ⁹ Ω		
Degree of protection	IP67 in mated condition		
Temperature range	-30°C to +85°C		
Mating cycles	<=100		

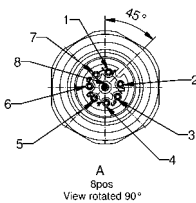
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

4 - 5-pos



8-pos



CONTACT ASSIGNMENT 4 - 5-POS

- brown — 1
- white — 2
- blue — 3
- black — 4
- green-yellow — 5

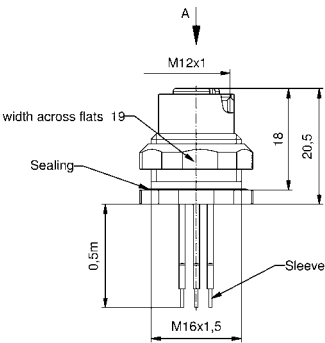
CONTACT ASSIGNMENT 5.1-POS

- brown — 1
- white — 2
- blue — 3
- black — 4
- grey — 5

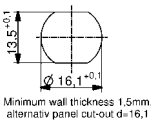
CONTACT ASSIGNMENT 8-POS

- white — 1
- brown — 2
- green — 3
- yellow — 4
- grey — 5
- pink — 6
- blue — 7
- red — 8

DIMENSION DRAWING



CUT-OUT FRONT PANEL

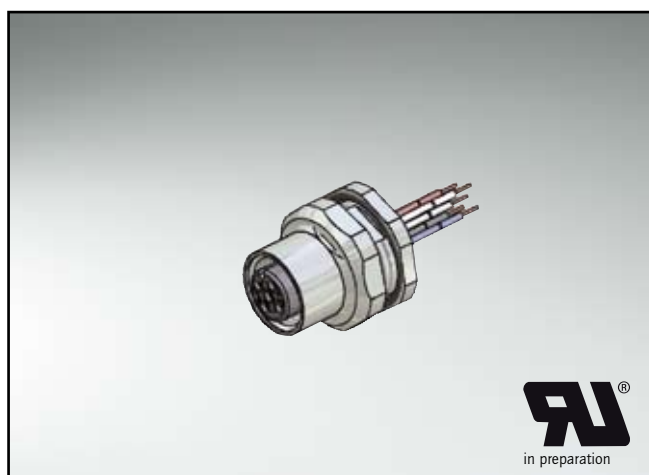


ORDER DATA

Wire	Length/L	Description	4-pos Part-no.	Description	5-pos Part-no.	Description	8-pos Part-no.
PVC, UL AWG 24	0,5m	SAL-12-FKH4-0,5	43-01003	SAL-12-FKH5-0,5	43-01004	SAL-12-FKH8-0,5	43-01005
	0,5m			SAL-12-FKH5.1-0,5	43-01048		

SAL M12X1 CONNECTORS

Female socket with wire, backmounting, PG9-thread



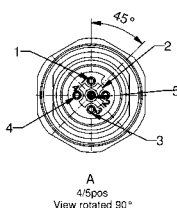
TECHNICAL DATA

Rated voltage	4-pos 250V	5-pos 60V	8-pos 30V
Current rating	4-/5-pos: 4A at +40°C 8-pos: 2A at +40°C		
Pollution degree	3/2		
Insulation resistance	= 10 ⁹ Ω		
Degree of protection	IP67 in mated condition		
Temperature range	-30°C to +85°C		
Mating cycles	<=100		

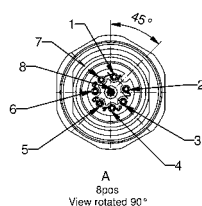
Directive 2002 95 EC
„RoHS“
Compliant

PIN CONFIGURATION

4 - 5-pos



8-pos



CONTACT ASSIGNMENT 4 - 5-POS

brown	1
white	2
blue	3
black	4
green-yellow	5

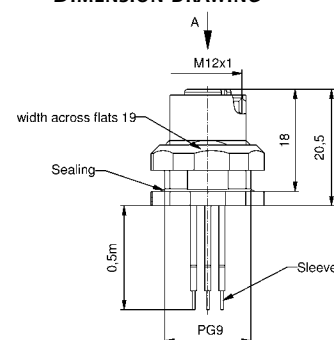
CONTACT ASSIGNMENT 5.1-POS

brown	1
white	2
blue	3
black	4
grey	5

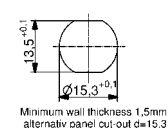
CONTACT ASSIGNMENT 8-POS

white	1	grey	5
brown	2	pink	6
green	3	blue	7
yellow	4	red	8

DIMENSION DRAWING



CUT-OUT FRONT PANEL

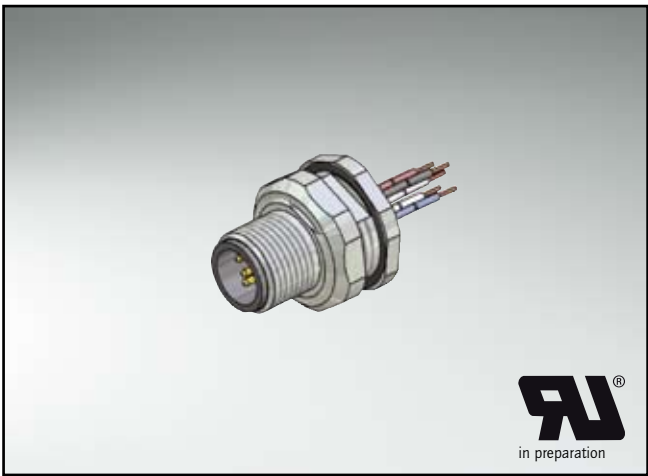


ORDER DATA

Wire	Length/L	Description	4-pos Part-no.	Description	5-pos Part-no.	Description	8-pos Part-no.
PVC, UL AWG 24	0,5m	SAL-12-FKH4-0,5-9	43-01079	SAL-12-FKH5-0,5-9	43-01081	SAL-12-FKH8-0,5-9	43-01098
	0,5m			SAL-12-FKH5.1-0,5-9	43-01080		

SAL M12X1 CONNECTORS

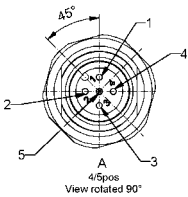
Male socket with wire, backmounting, M16x1,5-thread



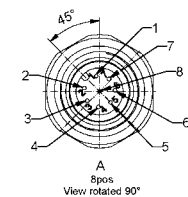
TECHNICAL DATA			
Rated voltage	4-pos 250V	5-pos 60V	8-pos 30V
Current rating	4-/5-pos: 4A at +40°C 8-pos: 2A at +40°C		
Pollution degree	3/2		
Insulation resistance	= 10 ⁹ Ω		
Degree of protection	IP67 in mated condition		
Temperature range	-30°C to +85°C		
Mating cycles	<=100		
Directive 2002 95 EC „RoHS“ Compliant			

PIN CONFIGURATION

4 - 5-pos



8-pos



CONTACT ASSIGNMENT 4 - 5-POS

- brown — 1
- white — 2
- blue — 3
- black — 4
- green-yellow — 5

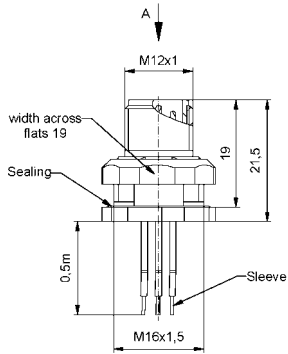
CONTACT ASSIGNMENT 5.1-POS

- brown — 1
- white — 2
- blue — 3
- black — 4
- grey — 5

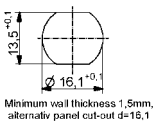
CONTACT ASSIGNMENT 8-POS

- white — 1
- brown — 2
- green — 3
- yellow — 4
- grey — 5
- pink — 6
- blue — 7
- red — 8

DIMENSION DRAWING



CUT-OUT FRONT PANEL

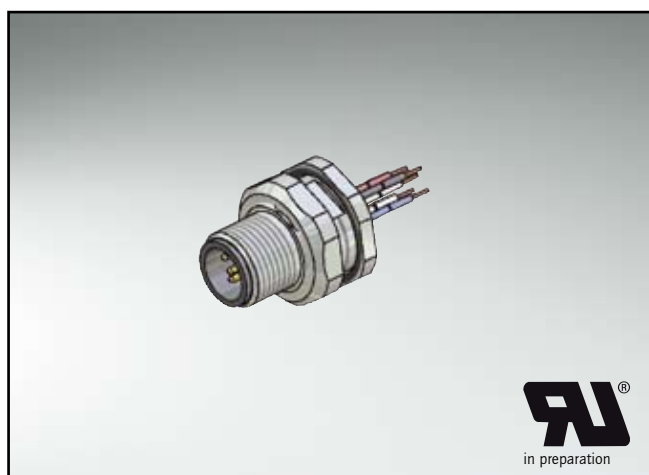


ORDER DATA

Wire	Length/L	Description	4-pos Part-no.	Description	5-pos Part-no.	Description	8-pos Part-no.
PVC, UL AWG 24	0,5m	SAL-12-FSH4-0,5	43-01012	SAL-12-FSH5-0,5	43-01013	SAL-12-FSH8-0,5	43-01014
	0,5m			SAL-12-FSH5.1-0,5	43-01052		

SAL M12X1 CONNECTORS

Male socket with wire, backmounting, PG9-thread



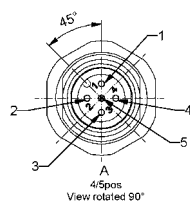
TECHNICAL DATA

Rated voltage	4-pos 250V	5-pos 60V	8-pos 30V
Current rating	4-/5-pos: 4A at +40°C 8-pos: 2A at +40°C		
Pollution degree	3/2		
Insulation resistance	= 10 ⁹ Ω		
Degree of protection	IP67 in mated condition		
Temperature range	-30°C to +85°C		
Mating cycles	<=100		

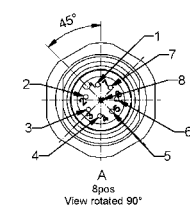
Directive 2002 95 EC
„RoHS“
Compliant

PIN CONFIGURATION

4 - 5-pos



8-pos



CONTACT ASSIGNMENT 4 - 5-POS

brown	1
white	2
blue	3
black	4
green-yellow	5

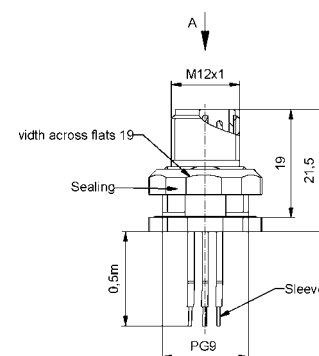
CONTACT ASSIGNMENT 5.1-POS

brown	1
white	2
blue	3
black	4
grey	5

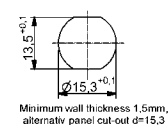
CONTACT ASSIGNMENT 8-POS

white	1	grey	5
brown	2	pink	6
green	3	blue	7
yellow	4	red	8

DIMENSION DRAWING



CUT-OUT FRONT PANEL

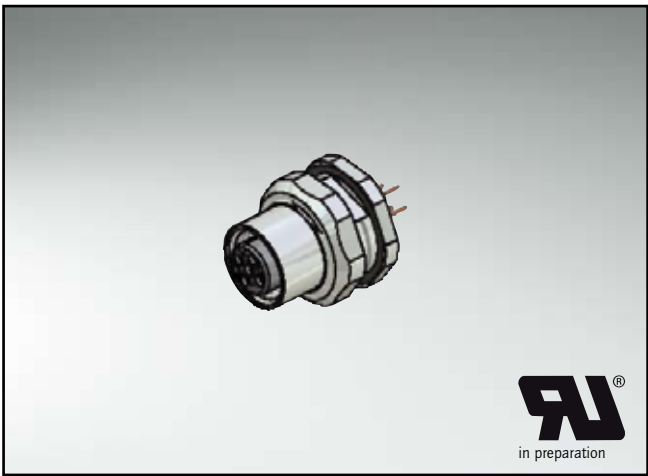


ORDER DATA

Wire	Length/L	Description	4-pos Part-no.	Description	5-pos Part-no.	Description	8-pos Part-no.
PVC, UL AWG 24	0,5m	SAL-12-FSH4-0,5-9	43-01088	SAL-12-FSH5-0,5-9	43-01090	SAL-12-FSH8-0,5-9	43-01100
	0,5m			SAL-12-FSH5.1-0,5-9	43-01089		

SAL M12X1 CONNECTORS

Female socket dip-solder, backmounting, M16x1,5-thread



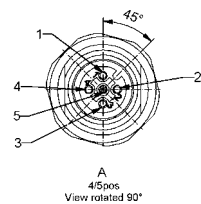
TECHNICAL DATA

Rated voltage	4-pos 250V	5-pos 60V	8-pos 30V
Current rating	4-/5-pos: 4A at +40°C 8-pos: 2A at +40°C		
Pollution degree	3/2		
Insulation resistance	= 10 ⁹ Ω		
Degree of protection	IP67 in mated condition		
Temperature range	-30°C to +85°C		
Mating cycles	<=100		

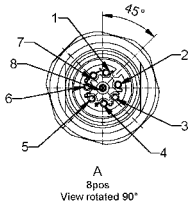
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

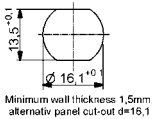
4 - 5-pos



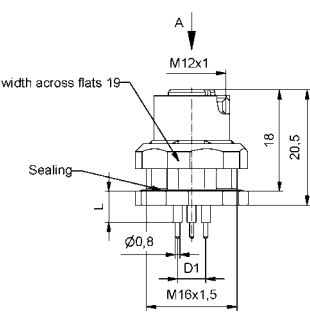
8-pos



CUT-OUT FRONT PANEL



DIMENSION DRAWING

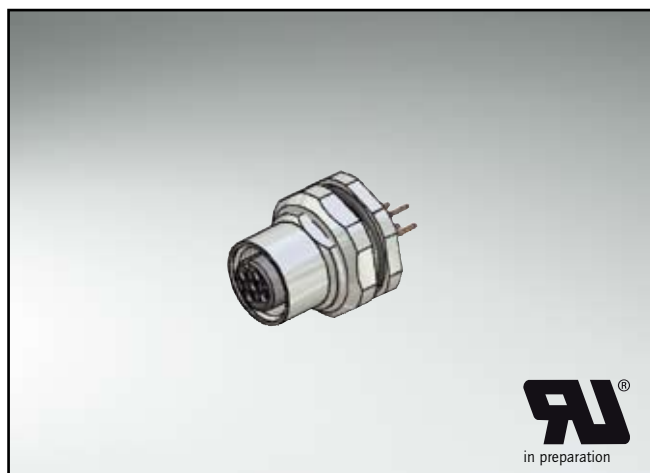


ORDER DATA

Length/L contacts	Description	4-pos Part-no.	Description	5-pos Part-no.	Description	8-pos Part-no.
5,5mm	SAL-12-FKH4-P5,5	43-01026	SAL-12-FKH5-P5,5	43-01027	SAL-12-FKH8-P5,5	43-01028
12mm	SAL-12-FKH4-P12	43-01029	SAL-12-FKH5-P12	43-01030	SAL-12-FKH8-P12	43-01031

SAL M12X1 CONNECTORS

Female socket dip-solder, backmounting, PG9-thread



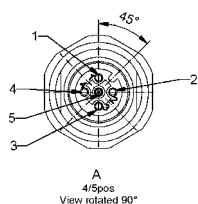
TECHNICAL DATA

Rated voltage	4-pos 250V	5-pos 60V	8-pos 30V
Current rating	4-/5-pos: 4A at +40°C 8-pos: 2A at +40°C		
Pollution degree	3/2		
Insulation resistance	= 10 ⁹ Ω		
Degree of protection	IP67 in mated condition		
Temperature range	-30°C to +85°C		
Mating cycles	<=100		

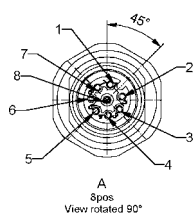
Directive 2002 95 EC
„RoHS“
Compliant

PIN CONFIGURATION

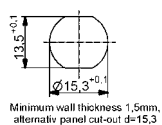
4 - 5-pos



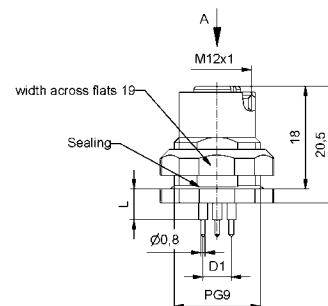
8-pos



CUT-OUT FRONT PANEL



DIMENSION DRAWING



ORDER DATA

Length/L contacts	Description	4-pos Part-no.	Description	5-pos Part-no.	Description	8-pos Part-no.
5,5mm	SAL-12-FKH4-P5,5-9	43-01059	SAL-12-FKH5-P5,5-9	43-01061	SAL-12-FKH8-P5,5-9	43-01063
12mm	SAL-12-FKH4-P12-9	43-01060	SAL-12-FKH5-P12-9	43-01062	SAL-12-FKH8-P12-9	43-01064

SAL M12X1 CONNECTORS

Male socket dip-solder, backmounting, M16x1,5-thread



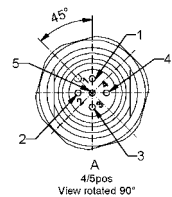
TECHNICAL DATA

Rated voltage	4-pos 250V	5-pos 60V	8-pos 30V
Current rating	4-/5-pos: 4A at +40°C 8-pos: 2A at +40°C		
Pollution degree	3/2		
Insulation resistance	= 10 ⁹ Ω		
Degree of protection	IP67 in mated condition		
Temperature range	-30°C to +85°C		
Mating cycles	<=100		

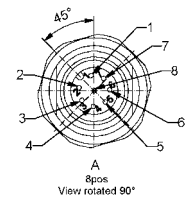
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

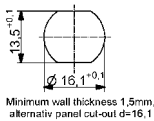
4 - 5-pos



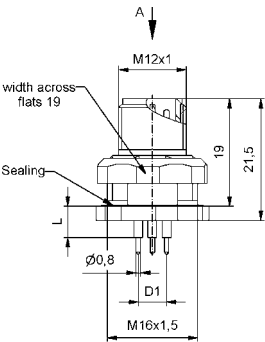
8-pos



CUT-OUT FRONT PANEL



DIMENSION DRAWING



ORDER DATA

Length/L contacts	Description	4-pos Part-no.	Description	5-pos Part-no.	Description	8-pos Part-no.
5,5mm	SAL-12-FSH4-P5,5	43-01032	SAL-12-FSH5-P5,5	43-01033	SAL-12-FSH8-P5,5	43-01034
12mm	SAL-12-FSH4-P12	43-01035	SAL-12-FSH5-P12	43-01036	SAL-12-FSH8-P12	43-01037

SAL M12X1 CONNECTORS

Female socket frontmounting, axial, installation height 5,5mm, optional with shroud



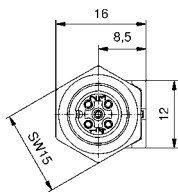
TECHNICAL DATA

Rated voltage	4-pos 250V	5-pos 60V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +85°C	
Mating cycles	<=100	

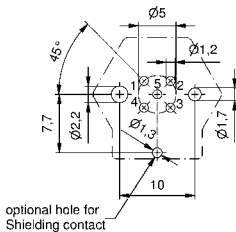
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

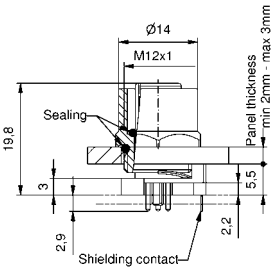
4 - 5-pos



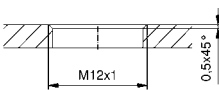
HOLE PATTERN PRINTING BOARD



DIMENSION DRAWING



SCREW-IN THREAD

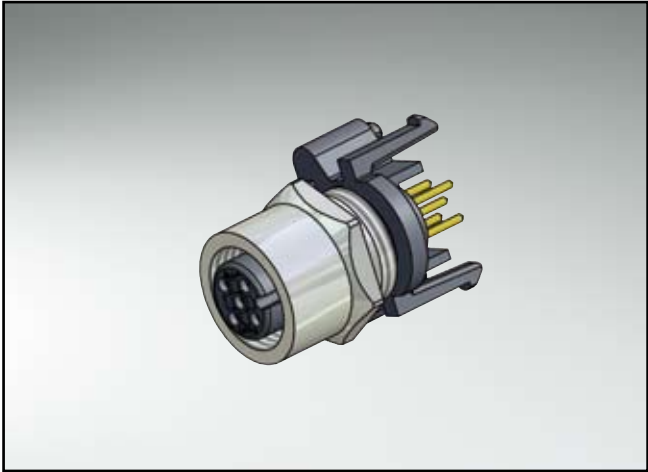


ORDER DATA

Installation height	Description	4-pos Part-no.	Description	5-pos Part-no.	
5,5mm	SAL-12-FK4-X5,5	43-01178	SAL-12-FK5-X5,5	43-01180	
5,5mm	SAL-12S-FK4-X5,5	43-01179	SAL-12S-FK5-X5,5	43-01181	with shroud

SAL M12X1 CONNECTORS

Female socket frontmounting, axial, installation height 10mm, optional with shroud



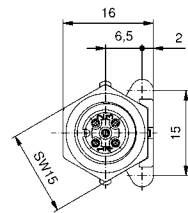
TECHNICAL DATA

Rated voltage	4-pos 250V	5-pos 60V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +85°C	
Mating cycles	<=100	

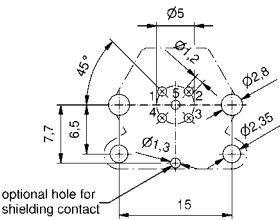
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

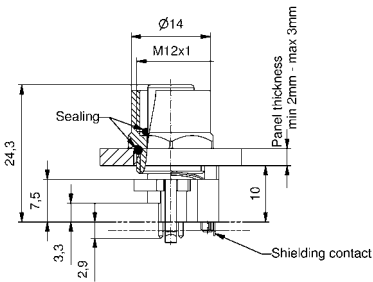
4 - 5-pos



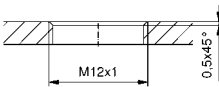
HOLE PATTERN PRINTING BOARD



DIMENSION DRAWING



SCREW-IN THREAD



ORDER DATA

Installation height	Description	4-pos Part-no.	Description	5-pos Part-no.	
10mm	SAL-12-FK4-X10	43-01162	SAL-12-FK5-X10	43-01164	
10mm	SAL-12S-FK4-X10	43-01163	SAL-12S-FK5-X10	43-01165	with shroud

SAL M12X1 CONNECTORS

Male socket frontmounting, axial, installation height 5,5mm, optional with shroud



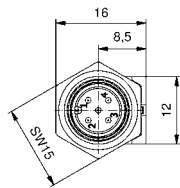
TECHNICAL DATA

Rated voltage	4-pos 250V	5-pos 60V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +85°C	
Mating cycles	<=100	

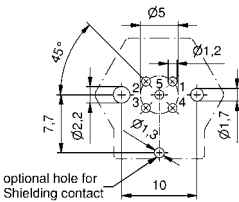
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

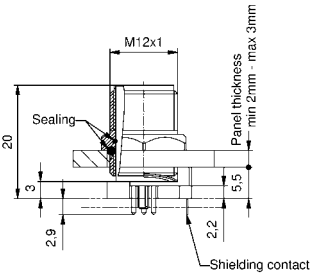
4 - 5-pos



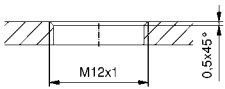
HOLE PATTERN PRINTING BOARD



DIMENSION DRAWING



SCREW-IN THREAD

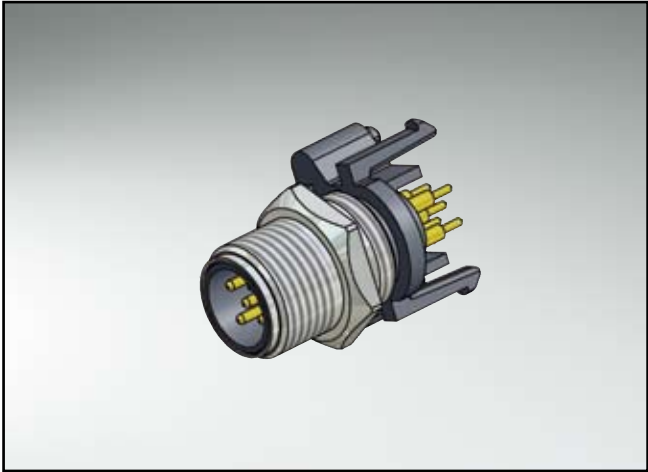


ORDER DATA

Installation height	Description	4-pos Part-no.	Description	5-pos Part-no.	
5,5mm	SAL-12-FS4-X5,5	43-01182	SAL-12-FS5.1-X5,5	43-01184	
5,5mm	SAL-12S-FS4-X5,5	43-01183	SAL-12S-FS5.1-X5,5	43-01185	with shroud

SAL M12X1 CONNECTORS

Male socket frontmounting, axial, installation height 10mm, optional with shroud



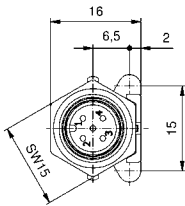
TECHNICAL DATA

Rated voltage	4-pos 250V	5-pos 60V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +85°C	
Mating cycles	<=100	

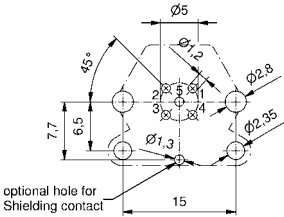
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

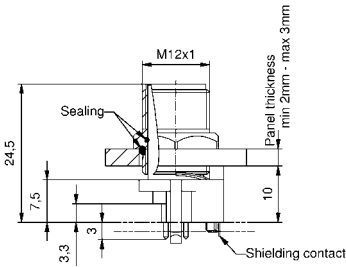
4 - 5-pos



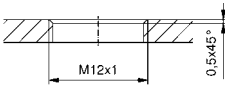
HOLE PATTERN PRINTING BOARD



DIMENSION DRAWING



SCREW-IN THREAD



ORDER DATA

Installation height	Description	4-pos Part-no.	Description	5-pos Part-no.	
10mm	SAL-12-FS4-X10	43-01166	SAL-12-FS5.1-X10	43-01168	
10mm	SAL-12S-FS4-X10	43-01167	SAL-12S-FS5.1-X10	43-01169	with shroud

SAL M12X1 CONNECTORS

Female socket backmounting, axial, installation height 5,5mm, optional with shroud



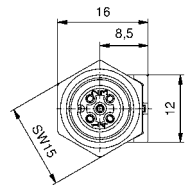
TECHNICAL DATA

Rated voltage	4-pos 250V	5-pos 60V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +85°C	
Mating cycles	<=100	

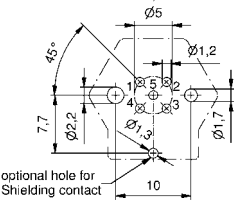
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

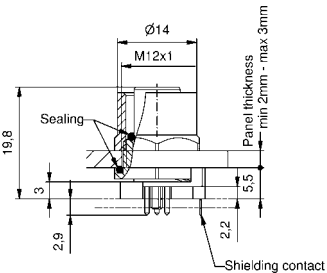
4 - 5-pos



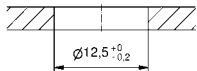
HOLE PATTERN PRINTING BOARD



DIMENSION DRAWING



FEEDTHROUGH

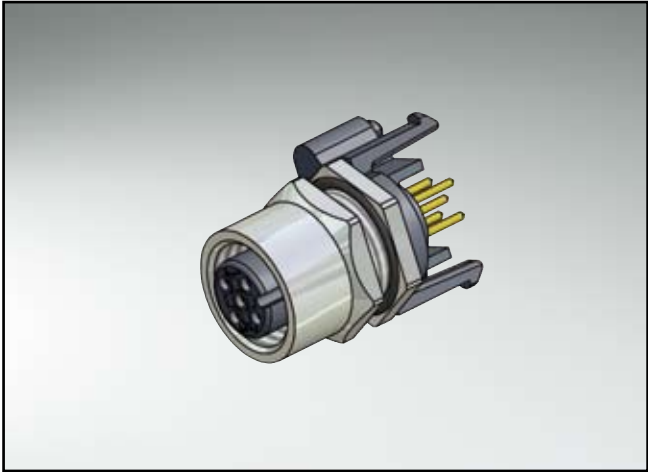


ORDER DATA

Installation height	Description	4-pos Part-no.	Description	5-pos Part-no.	
5,5mm	SAL-12-FKH4-X5,5	43-01186	SAL-12-FKH5-X5,5	43-01188	
5,5mm	SAL-12S-FKH4-X5,5	43-01187	SAL-12S-FKH5-X5,5	43-01189	with shroud

SAL M12X1 CONNECTORS

Female socket backmounting, axial, installation height 10mm, optional with shroud



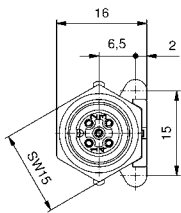
TECHNICAL DATA

Rated voltage	4-pos 250V	5-pos 60V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +85°C	
Mating cycles	<=100	

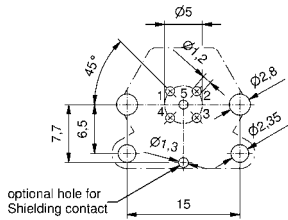
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

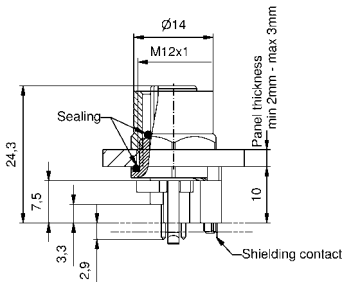
4 - 5-pos



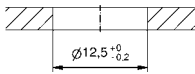
HOLE PATTERN PRINTING BOARD



DIMENSION DRAWING



FEEDTHROUGH



ORDER DATA

Installation height	Description	4-pos Part-no.	Description	5-pos Part-no.	
10mm	SAL-12-FKH4-X10	43-01170	SAL-12-FKH5-X10	43-01172	
10mm	SAL-12S-FKH4-X10	43-01171	SAL-12S-FKH5-X10	43-01173	with shroud

SAL M12X1 CONNECTORS

Male socket backmounting, axial, installation height 5,5mm, optional with shroud



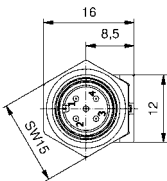
TECHNICAL DATA

Rated voltage	4-pos 250V	5-pos 60V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +85°C	
Mating cycles	<=100	

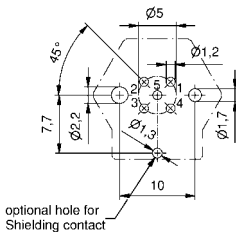
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

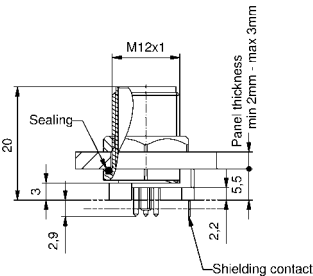
4 - 5-pos



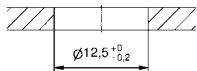
HOLE PATTERN PRINTING BOARD



DIMENSION DRAWING



FEEDTHROUGH

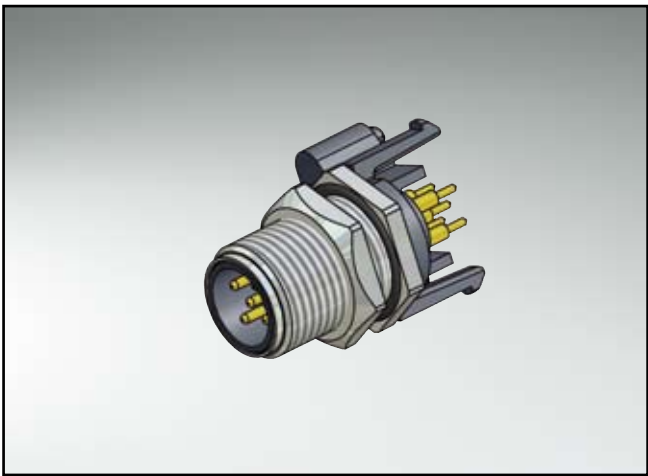


ORDER DATA

Installation height	Description	4-pos Part-no.	Description	5-pos Part-no.	
5,5mm	SAL-12-FSH4-X5,5	43-01190	SAL-12-FSH5.1-X5,5	43-01192	
5,5mm	SAL-12S-FSH4-X5,5	43-01191	SAL-12S-FSH5.1-X5,5	43-01193	with shroud

SAL M12X1 CONNECTORS

Male socket backmounting, axial, installation height 10mm, optional with shroud



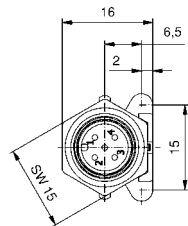
TECHNICAL DATA

Rated voltage	4-pos 250V	5-pos 60V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +85°C	
Mating cycles	<=100	

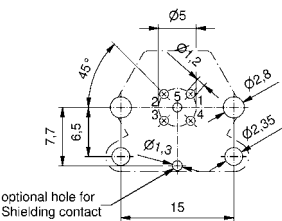
Directive 2002 95 EC
„RoHS“
Compliant

PIN CONFIGURATION

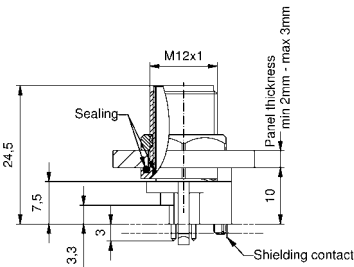
4 - 5-pos



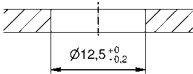
HOLE PATTERN PRINTING BOARD



DIMENSION DRAWING



FEEDTHROUGH

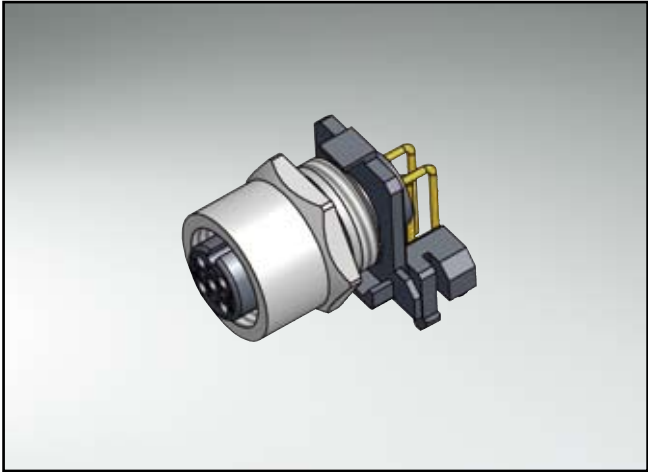


ORDER DATA

Installation height	Description	4-pos Part-no.	Description	5-pos Part-no.	
10mm	SAL-12-FSH4-X10	43-01174	SAL-12-FSH5.1-X10	43-01176	
10mm	SAL-12S-FSH4-X10	43-01175	SAL-12S-FSH5.1-X10	43-01177	with shroud

SAL M12X1 CONNECTORS

Female socket frontmounting, dip-solder, angled, optional with shroud



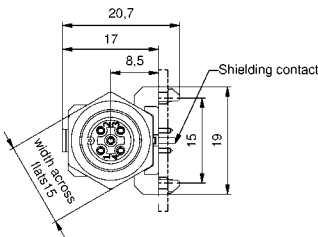
TECHNICAL DATA

Rated voltage	4-pos 250V	5-pos 60V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +85°C	
Mating cycles	<=100	

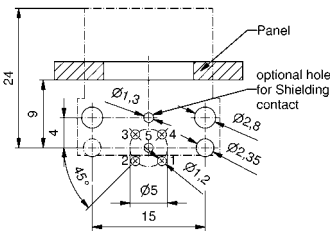
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

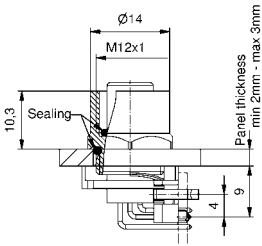
4 - 5-pos



HOLE PATTERN PRINTING BOARD



DIMENSION DRAWING



SCREW-IN THREAD



ORDER DATA

Description	4-pos Part-no.	Description	5-pos Part-no.	
SAL-12-FKW4	43-01200	SAL-12-FKW5	43-01202	
SAL-12S-FKW4	43-01201	SAL-12S-FKW5	43-01203	with shroud

Male socket frontmounting, dip-solder, angled, optional with shroud



Directive 2002 95 EC
"RoHS"
Compliant

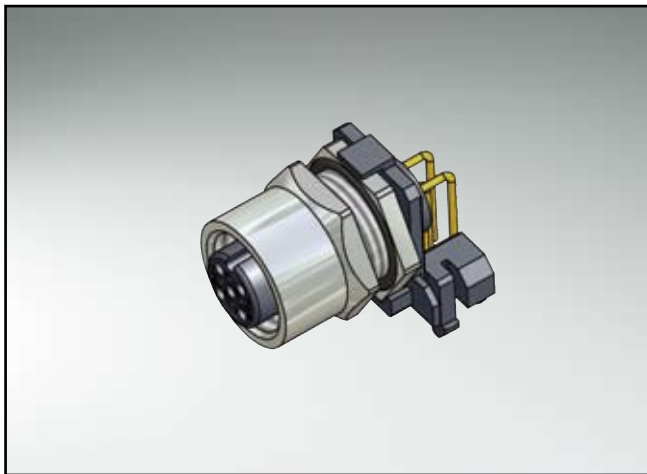
DIMENSION DRAWING

Technical drawing showing a cross-section of a panel connection detail. The panel thickness is 11.5 mm. The connection uses a screw with dimensions M12x1. A sealing element is indicated. The wall thickness is 9 mm, and the fastener length is 4 mm. The panel thickness is specified as min 2mm - max 3mm.

Technical drawing of a detail of a reinforced concrete slab. The drawing shows a cross-section of a slab with a width of 0,5x45° and a reinforcement bar labeled M12x1.

Description	4-pos Part-no.	Description	5-pos Part-no.	
SAL-12-FSW4	43-01208	SAL-12-FSW5.1	43-01210	
SAL-12S-FSW4	43-01209	SAL-12S-FSW5.1	43-01211	with shroud

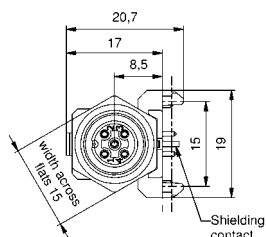
Female socket backmounting, dip-solder, angled, optional with shroud



Rated voltage	4-pos 250V	5-pos 60V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +85°C	
Mating cycles	<=100	

Directive 2002 95 EC
"RoHS"
Compliant

4 - 5-pos



Technical drawing of a shaft with a diameter of $\varnothing 12,5^{+0}_{-0,2}$ mm. The shaft is shown in cross-section with hatching on the left and right sides. The diameter is indicated by a dimension line with arrows pointing to the shaft's surface.

Description	4-pos Part-no.	Description	5-pos Part-no.	
SAL-12-FKHW4	43-01196	SAL-12-FKHW5	43-01198	
SAL-12S-FKHW4	43-01197	SAL-12S-FKHW5	43-01199	with shroud

SAL M12X1 CONNECTORS

Male socket backmounting, dip-solder, angled, optional with shroud



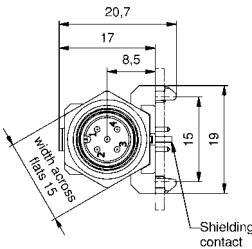
TECHNICAL DATA

Rated voltage	4-pos 250V	5-pos 60V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +85°C	
Mating cycles	<=100	

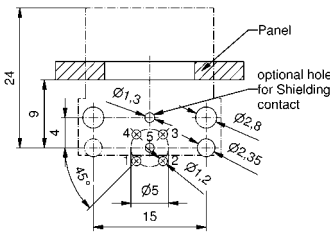
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

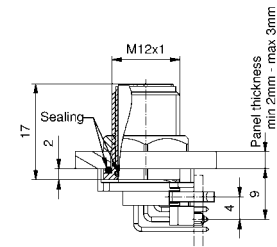
4 - 5-pos



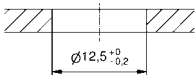
HOLE PATTERN PRINTING BOARD



DIMENSION DRAWING



FEEDTHROUGH

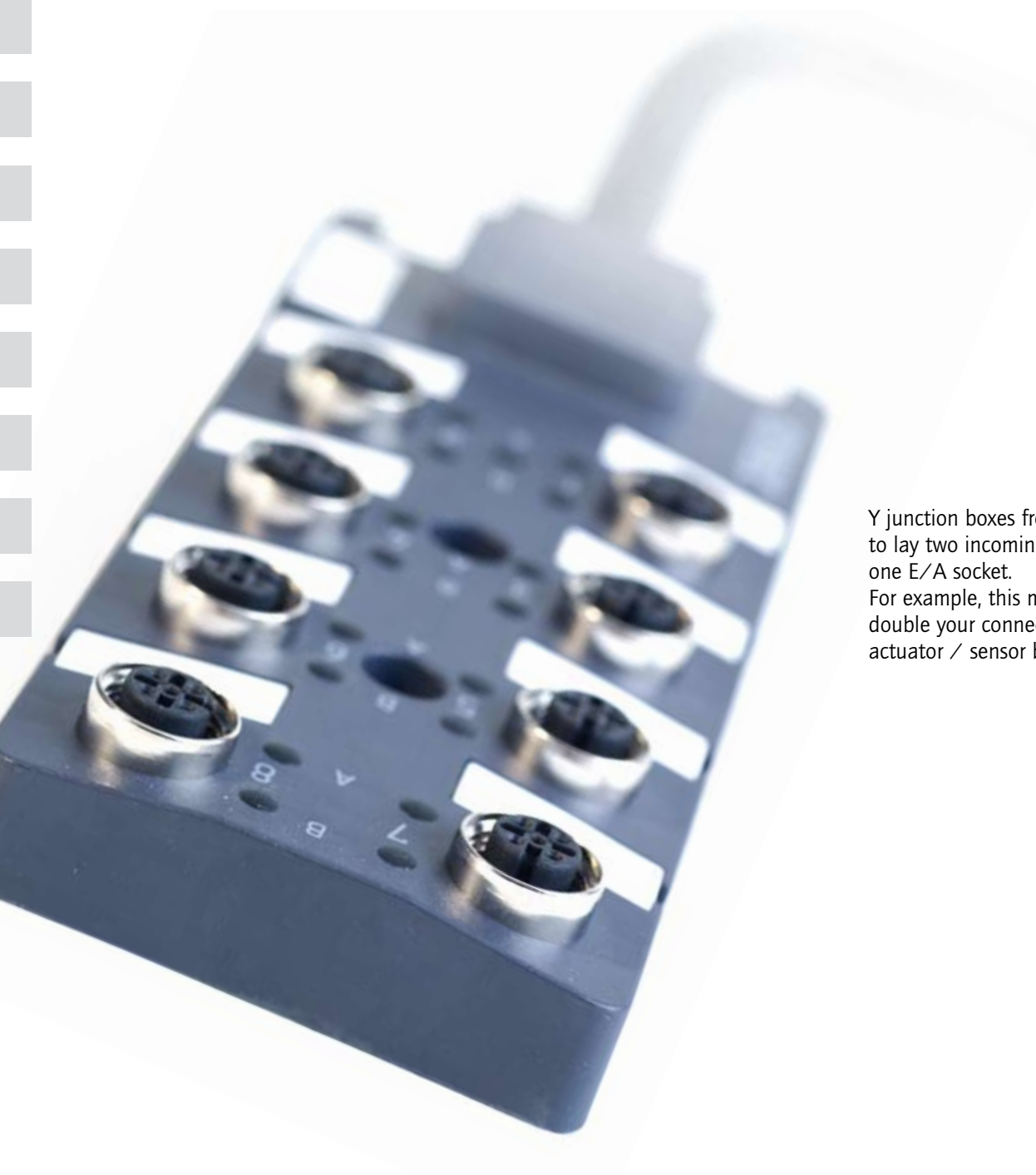


ORDER DATA

Description	4-pos Part-no.	Description	5-pos Part-no.	
SAL-12-FSHW4	43-01204	SAL-12-FSHW5.1	43-01206	
SAL-12S-FSHW4	43-01205	SAL-12S-FSHW5.1	43-01207	with shroud

SECTION 4

JUNCTION SYSTEMS



Y junction boxes from CONEC enable you to lay two incoming signals together at one E/A socket.

For example, this means that you can double your connection options for one actuator / sensor box.



You can connect up to 16 initiators using one M12x1 junction box with 8 E/A sockets. CONEC overmoulded components are also available for the output connection to the sensor.

This provides a cost-effective and practical wiring system in the field for sensors and actors with a cabling system that meets protection class IP 67. Junction boxes are used anywhere sensor and actor signals need to be extended quickly and easily for connection to their superordinate control systems. Individual signals are either connected directly to the superordinate system via a homerun cable or via a connection interface. Optional LED displays for signal and power reduce the effort required to track down errors.



SAL M12X1/M8X1 Y-SPLITTER

Nomenclature

S A L - 1 2 - R S 5 - 1 2 - 2 R K 3

SAL
Sensor Actor Line

CONNECTION

Installation size
8 = M8x1
12 = M12x1

Coding
= A-coding

Building
R = Circular connector

Configuration
K = Female connector
S = Male connector

Number of poles
4 = 4-pos
5 = 5-pos

ALLOCATION

Installation size
8 = M8x1
12 = M12x1

Coding
= A-coding

Quantity
2 = 2 I/O-ports

Building
R = Circular connector

Configuration
K = Female connector
S = Male connector

Number of poles
3 = 3-pos
4 = 4-pos
5 = 5-pos

SAL M12X1/M8X1 Y-SPLITTER

Technical Data

Basic material	
Contact	Female connector: CuZn / Male connector: CuSn (depending on configuration)
Contact plating	Nickel-plated, gold-plated
Contact carrier	TPU
Moulding body	TPU
Sealing	FPM

Information on the following pages are basing on below mentioned IEC-standards.

Rated voltage	IEC 61076-2-101
Current rating	IEC 61076-2-101
Insulation resistance	IEC 60512-2
Pollution degree	IEC 60664-1
Degree of protection	IEC 60529
Temperature range	IEC 60664-1
Mating cycles	IEC 61076-2-101

Technical subject to change without notice.

SAL M12x1/M8x1 JUNCTION BOX

Nomenclature

S A L - 1 2 - 4 F K 5 - 5 L - 5 / K 3

SAL
Sensor Actor Line

CONNECTION

Installation size
12 = M12x1
8 = M8x1

Coding
= A-coding

Quantity I/O-ports
4 = 4-fold Junction box
8 = 8-fold Junction box

Building
F = Socket

Configuration
K = Female connector

ALLOCATION

Number of poles
5 = I/O-port 4-pos + Ground (M12x1)
3 = I/O-port 3-pos (M8x1)
4 = I/O-port 4-pos (M8x1)

LED-display
5 = 5 LED-display
9 = 9 LED-display
17 = 17 LED-display

Cable length
5 = 5m Cable length
10 = 10m Cable length

Cable quality/Connection
= M23x1 connector (M12x1-Junction box)
= M16x0,75 connector (M8x1-Junction box, 8-fold)
= M12x1 connector (M8x1-Junction box, 4-fold)
K3 = TPU, black, UL

SAL M12x1/M8x1 JUNCTION BOX

Technical Data

Basic material	
Contact	M12x1: CuSn6, M8x1: CuZn
Contact plating	Nickel-plated, gold-plated
Contact carrier	PBT, UL94
Housing	PBT, UL94
Sealing	FPM
Grouting	Polyurethane-resin, UL94

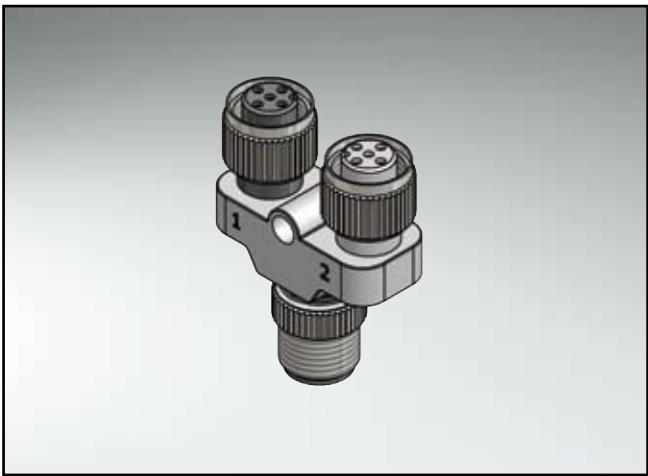
Information on the following pages are basing on below mentioned IEC-standards.

Rated voltage	IEC 61076-2-101
Current rating	IEC 61076-2-101
Insulation resistance	IEC 60512-2
Pollution degree	IEC 60664-1
Degree of protection	IEC 60529
Temperature range	IEC 60664-1
Mating cycles	IEC 61076-2-101

Technical subject to change without notice.

SAL-Y-SPLITTER

Male connector M12x1 - 2x Female connector M12x1



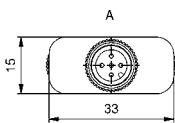
TECHNICAL DATA

Rated voltage	5-pos 30V
Current rating	4A at +40°C
Pollution degree	3/2
Insulation resistance	= 10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	-30°C to +85°C
Mating cycles	<=100

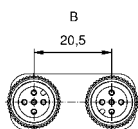
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

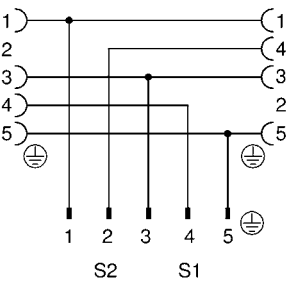
5-pos male



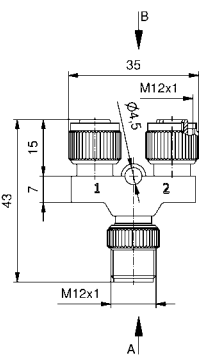
5-pos female



CONTACT ASSIGNMENT 5-POS



DIMENSION DRAWING

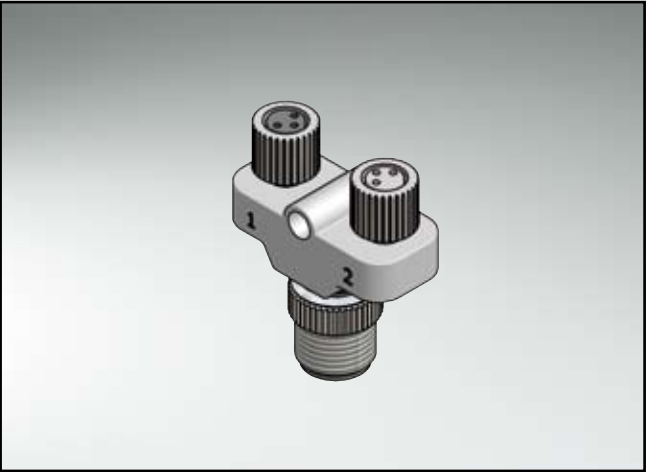


ORDER DATA

Description	5-pos Part-no.
SAL-12-RS5-2RK5.2	43-05101

SAL-Y-SPLITTER

Male connector M12x1 - 2x Female connector M8x1



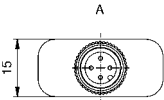
TECHNICAL DATA

Rated voltage	4/3-pos 30V
Current rating	4A at +40°C
Pollution degree	3/2
Insulation resistance	= 10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	-30°C to +85°C
Mating cycles	<=100

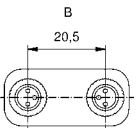
Directive 2002 95 EC
„RoHS“
Compliant

PIN CONFIGURATION

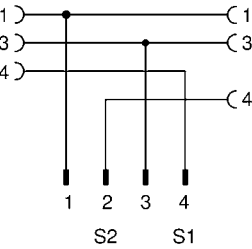
4-pos male



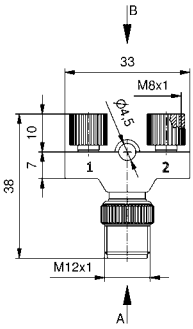
3-pos female



CONTACT ASSIGNMENT 4/3-POS



DIMENSION DRAWING



ORDER DATA

Description	4/3-pos Part-no.
SAL-12-RS4-8-2RK3	43-05100

Rated voltage	$\frac{5\text{-pos}}{30V}$
Current rating	4A at +40°C
Pollution degree	3/2
Insulation resistance	= 10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	-30°C to +85°C
Mating cycles	<=100

Directive 2002 95 EC
"RoHS"
Compliant

5-pos male

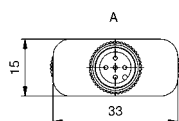


Diagram illustrating the wheelbase (B) of the vehicle, which is 20,5 meters.

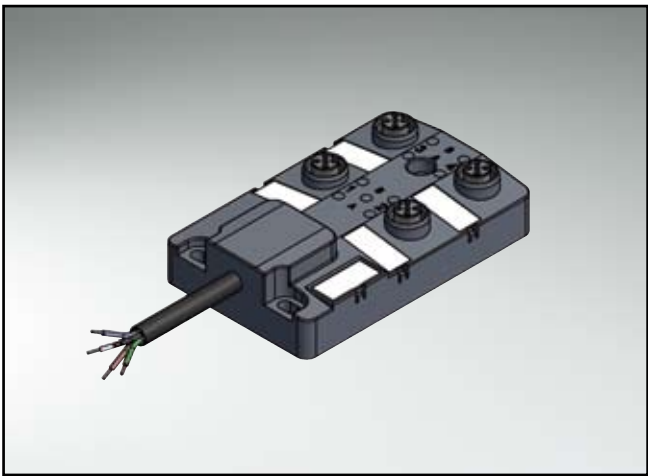
Technical drawing of a mechanical part with dimensions and labels:

- Overall width: 35
- Overall height: 43
- Top section height: 15
- Bottom section height: 7
- Top section width: 15
- Bottom section width: 15
- Top section material: M12x1
- Bottom section material: M12x1
- Top section hole diameter: $\phi 4.5$
- Top section hole position: 15
- Top section hole diameter: $\phi 4.5$
- Top section hole position: 15
- Top section hole diameter: $\phi 4.5$
- Top section hole position: 15

Description	5-pos Part-no.
SAL-12-RS5-2RK5	43-05103

SENSOR - ACTUATOR - JUNCTION BOX

4-fold Junction box with homerun-cable, I/O-ports 4-pos + Ground

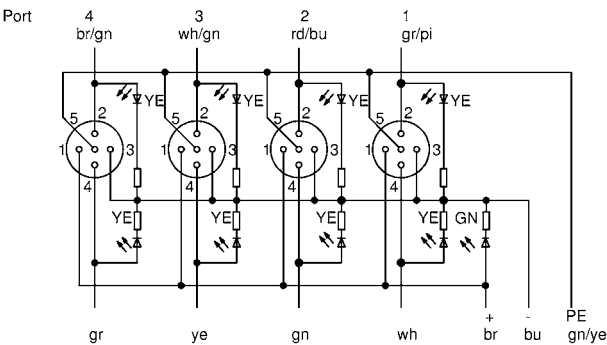


TECHNICAL DATA

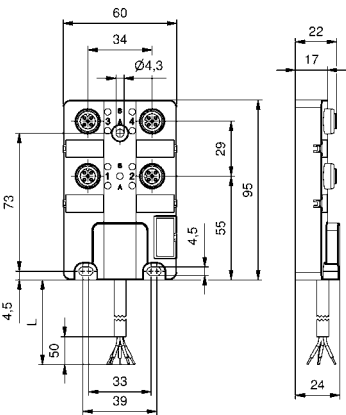
Rated voltage	4-pos + Ground max. 30V
Current rating	2A per signal contact Total ampacity max. 12A
Pollution degree	3/2
Insulation resistance	= 10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	-5°C to +60°C
Mating cycles	<=100

Directive 2002 95 EC
"RoHS"
Compliant

CONTACT ASSIGNMENT 4-POS + GROUND



DIMENSION DRAWING

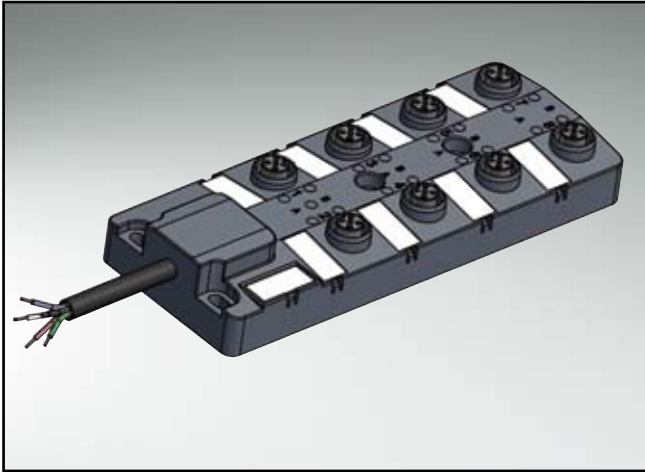


ORDER DATA

Cable	Length/L	Description	4-pos + Ground Part-no.
TPU, halogenfree black, Li9YH11YH	5m	SAL-12-4FK5-9L-5/K3	43-05010
8x0,34/3x1,0 mm ²	10m	SAL-12-4FK5-9L-10/K3	43-05011

SENSOR - ACTUATOR - JUNCTION BOX

8-fold Junction box with homerun-cable, I/O-ports 4-pos + Ground

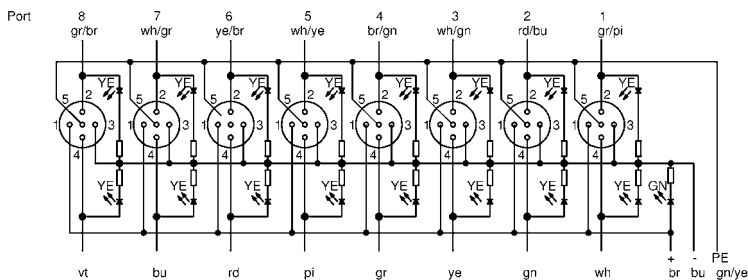


TECHNICAL DATA

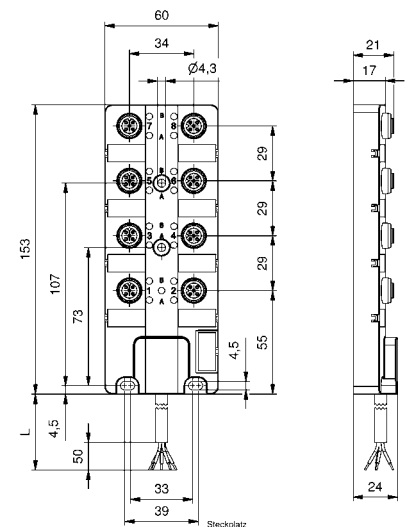
Rated voltage	4-pos + Ground max. 30V
Current rating	2A per signal contact Total ampacity max. 12A
Pollution degree	3/2
Insulation resistance	= 10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	-5°C to +60°C
Mating cycles	≤ 100

Directive 2002 95 EC
"RoHS"
Compliant

CONTACT ASSIGNMENT 4-POS + GROUND



DIMENSION DRAWING

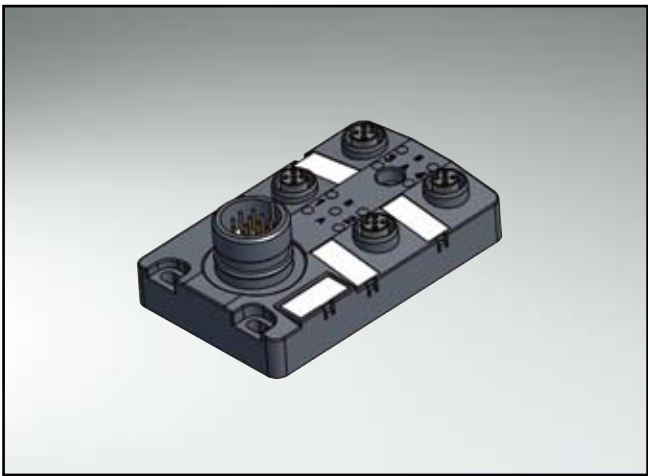


ORDER DATA

Cable	Length/L	Description	4-pos + Ground Part-no.
TPU, halogenfree black, Li9YH11YH	5m	SAL-12-8FK5-17L-5/K3	43-05012
16x0,34/3x1,0 mm ²	10m	SAL-12-8FK5-17L-10/K3	43-05013

SENSOR - ACTUATOR - JUNCTION BOX

4-fold Junction box, with M23x1- connector, I/O-ports 4-pos + Ground

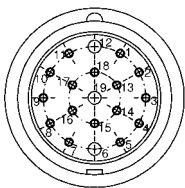


TECHNICAL DATA

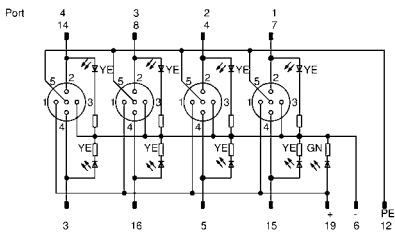
Rated voltage	4 pos + Ground max. 30V
Current rating	2A per signal contact Total ampacity max. 12A
Pollution degree	3/2
Insulation resistance	= 10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	-5°C to +60°C
Mating cycles	<=100

Directive 2002 95 EC
"RoHS"
Compliant

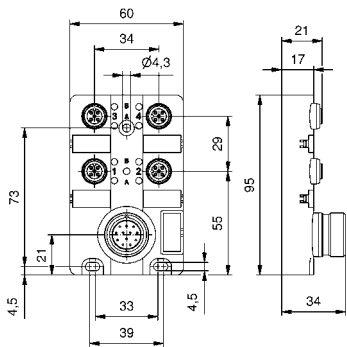
PIN CONFIGURATION M23



CONTACT ASSIGNMENT 4-POS + GROUND



DIMENSION DRAWING

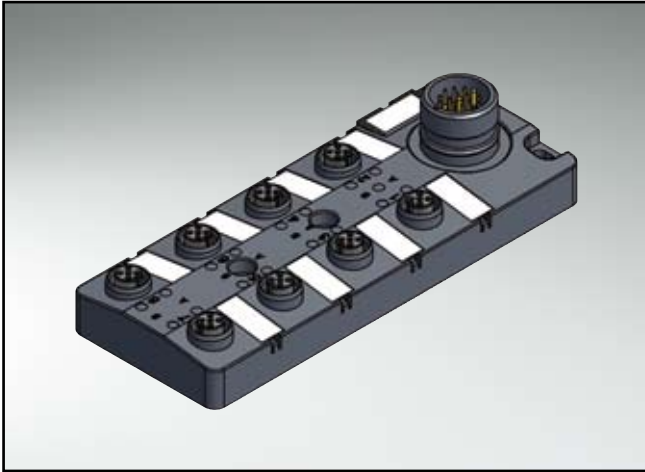


ORDER DATA

Description	4-pos + Ground Part-no.
SAL-12-4FK5-9L	43-05014

SENSOR - ACTUATOR - JUNCTION BOX

8-fold Junction box, with M23x1-connector, I/O-ports 4-pos + Ground

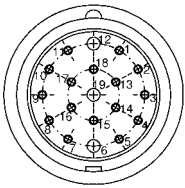


TECHNICAL DATA

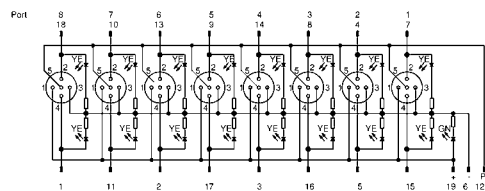
Rated voltage	$\frac{4\text{-pos} + \text{Ground}}{\text{max. } 30\text{V}}$
Current rating	2A per signal contact Total ampacity max. 12A
Pollution degree	3/2
Insulation resistance	$= 10^9 \Omega$
Degree of protection	IP67 in mated condition
Temperature range	-5°C to +60°C
Mating cycles	≤ 100

Directive 2002 95 EC
"RoHS"
Compliant

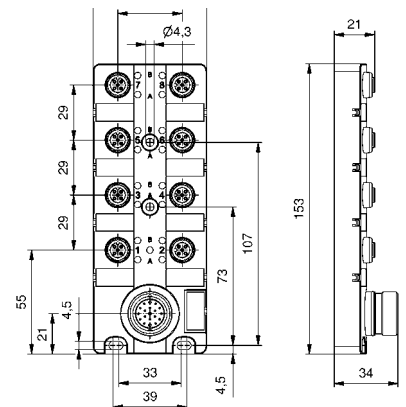
PIN CONFIGURATION M23



CONTACT ASSIGNMENT 4-POS + GROUND



DIMENSION DRAWING

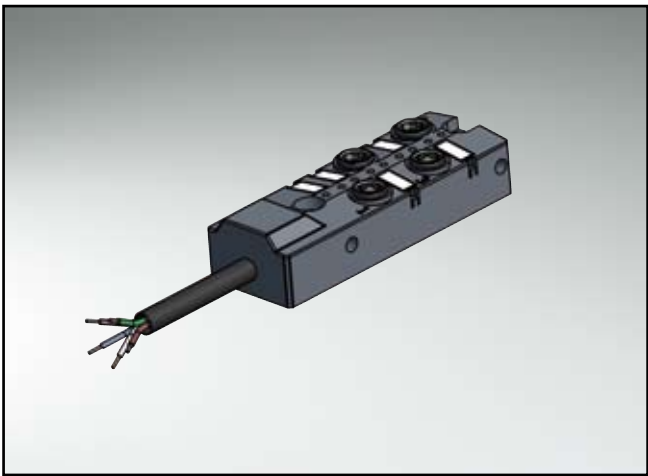


ORDER DATA

Description	4-pos + Ground Part-no.
SAL-12-8FK5-17L	43-05015

SENSOR - ACTUATOR - JUNCTION BOX

4-fold Junction box with homerun-cable, I/O-ports 3-pos

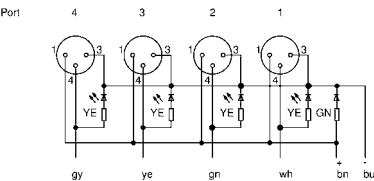


TECHNICAL DATA

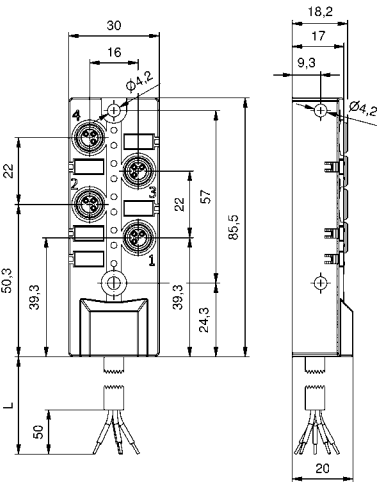
Rated voltage	max. 30 V
Current rating	2A per signal contact Total ampacity max. 6A
Pollution degree	3/2
Insulation resistance	= 10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	-5°C to +60°C
Mating cycles	<=100

Directive 2002 95 EC
"RoHS"
Compliant

CONTACT ASSIGNMENT 3-POS



DIMENSION DRAWING

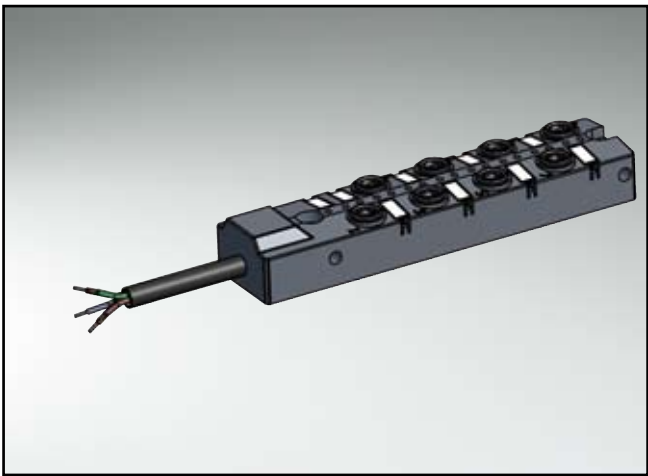


ORDER DATA

Cable	Length/L	Description	3-pos Part-no.
TPU, halogenfree black, Li9YH11YH	5m	SAL-8-4FK3-5L-5/K3	42-05006
2x0,75mm ² /4x0,34mm ²	10m	SAL-8-4FK3-5L-10/K3	42-05007

SENSOR - ACTUATOR - JUNCTION BOX

8-fold Junction box with homerun-cable, I/O-ports 3-pos

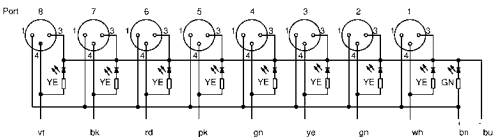


TECHNICAL DATA

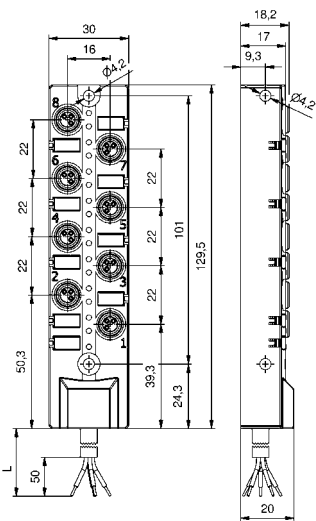
Rated voltage	max. 30 V
Current rating	2A per signal contact Total ampacity max. 6A
Pollution degree	3/2
Insulation resistance	= 10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	-5°C to +60°C
Mating cycles	<=100

Directive 2002 95 EC
„RoHS“
Compliant

CONTACT ASSIGNMENT 3-POS



DIMENSION DRAWING

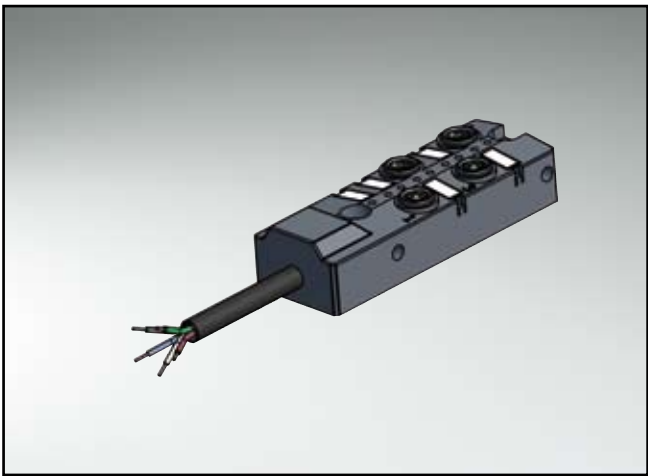


ORDER DATA

Cable	Length/L	Description	3-pos Part-no.
TPU, halogenfree black, Li9YH11YH	5m	SAL-8-8FK3-9L-5/K3	42-05008
2x0,75/8x0,34mm ²	10m	SAL-8-8FK3-9L-10/K3	42-05009

SENSOR - ACTUATOR - JUNCTION BOX

4-fold Junction box with homerun-cable, I/O-ports 4-pos

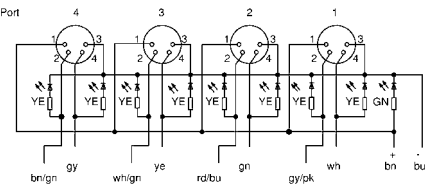


TECHNICAL DATA

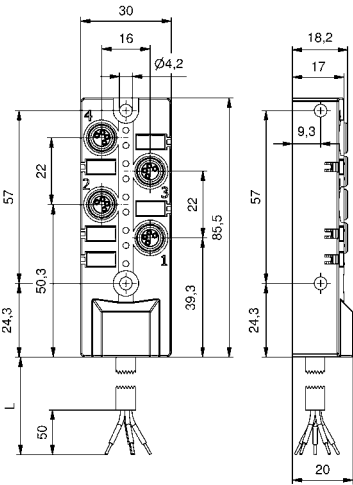
Rated voltage	max. 30 V
Current rating	2A per signal contact Total ampacity max. 6A
Pollution degree	3/2
Insulation resistance	= 10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	-5°C to +60°C
Mating cycles	<=100

Directive 2002 95 EC
„RoHS“
Compliant

CONTACT ASSIGNMENT 4-POS



DIMENSION DRAWING

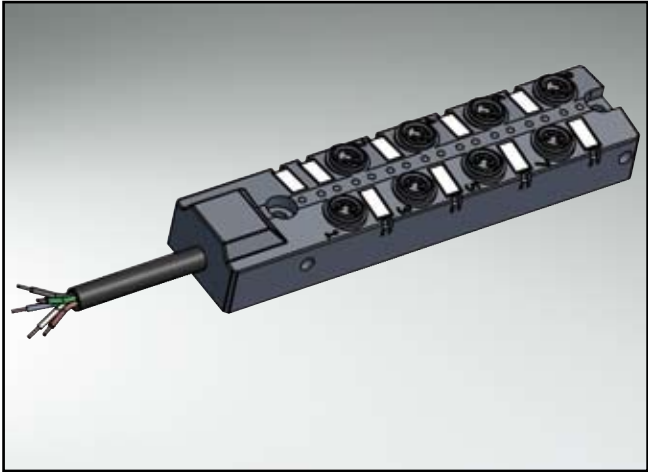


ORDER DATA

Cable	Length/L	Description	4-pos Part-no.
TPU, halogenfree black, Li9YH11YH	5m	SAL-8-4FK4-9L-5/K3	42-05000
2x0,75/8x0,34mm ²	10m	SAL-8-4FK4-9L-10/K3	42-05001

SENSOR - ACTUATOR - JUNCTION BOX

8-fold Junction box with homerun-cable, I/O-ports 4-pos

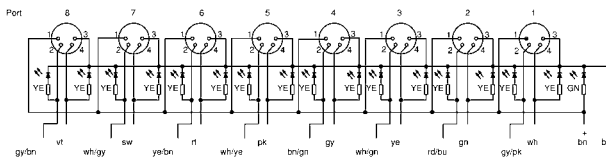


TECHNICAL DATA

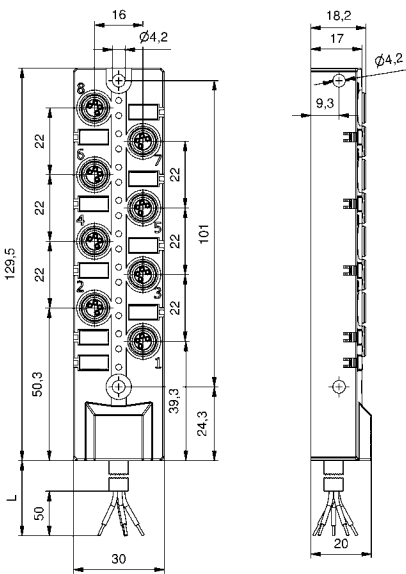
Rated voltage	max. 30 V
Current rating	2A per signal contact Total ampacity max. 6A
Pollution degree	3/2
Insulation resistance	= 10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	-5°C to +60°C
Mating cycles	<=100

Directive 2002 95 EC
"RoHS"
Compliant

CONTACT ASSIGNMENT 4-POS



DIMENSION DRAWING

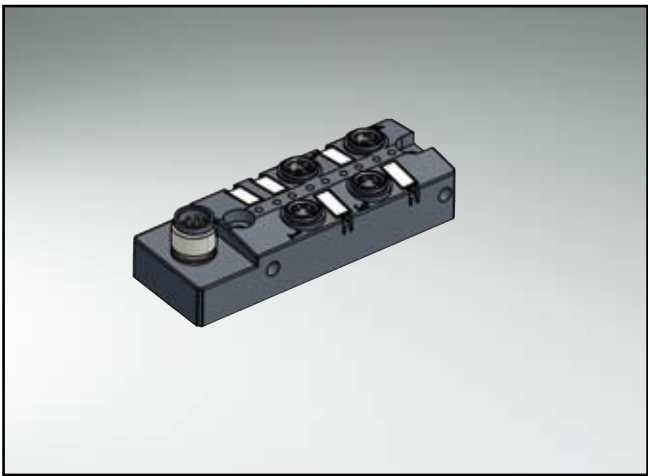


ORDER DATA

Cable	Length/L	Description	4-pos Part-no.
TPU, halogenfree black, Li9YH11YH	5m	SAL-8-8FK4-17L-5/K3	42-05002
2x0,75/16x0,34mm ²	10m	SAL-8-8FK4-17L-10/K3	42-05003

SENSOR - ACTUATOR - JUNCTION BOX

4-fold Junction box, with M12x1- connector, I/O-ports 3-pos

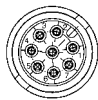


TECHNICAL DATA

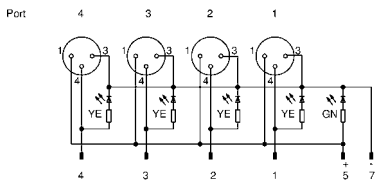
Rated voltage	max. 30 V
Current rating	2A per signal contact Total ampacity max. 3A
Pollution degree	3/2
Insulation resistance	= 10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	-5°C to +60°C
Mating cycles	<=100

Directive 2002 95 EC
"RoHS"
Compliant

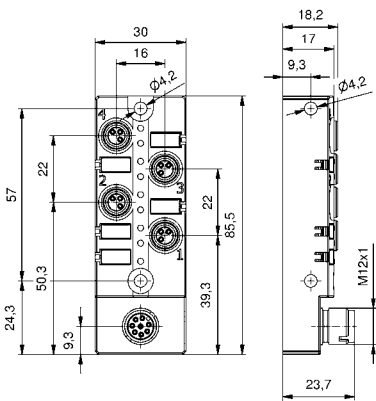
PIN CONFIGURATION M12



CONTACT ASSIGNMENT 3-POS



DIMENSION DRAWING



ORDER DATA

Description	3-pos Part-no.
SAL-8-4FK3-5L	42-05010

SENSOR - ACTUATOR - JUNCTION BOX

8-fold Junction box, with M16x0,75-connector, I/O-ports 3-pos

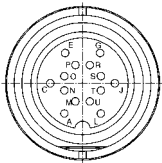


TECHNICAL DATA

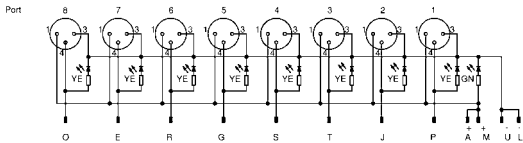
Rated voltage	max. 30 V
Current rating	2A per signal contact Total ampacity max. 6A
Pollution degree	3/2
Insulation resistance	= 10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	-5°C to +60°C
Mating cycles	<=100

Directive 2002 95 EC
"RoHS"
Compliant

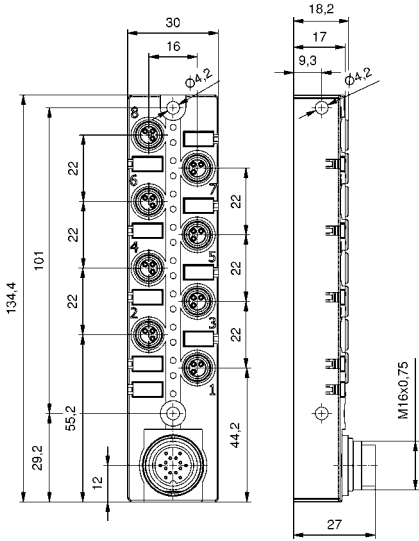
PIN CONFIGURATION M16



CONTACT ASSIGNMENT 3-POS



DIMENSION DRAWING



ORDER DATA

Description	3-pos Part-no.
SAL-8-8FK3-9L	42-05011

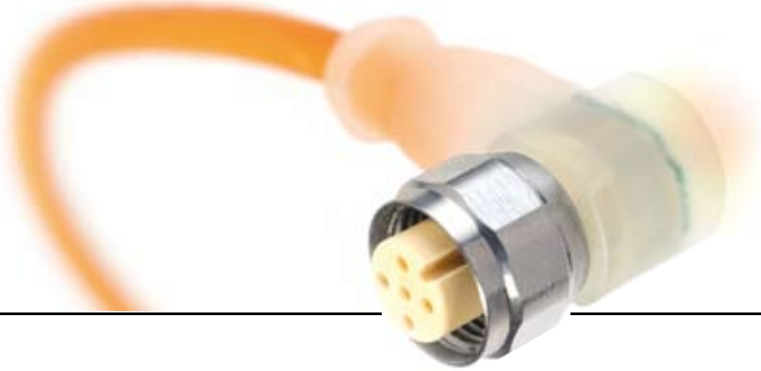
SECTION 5

SPECIALE APPLICATIONS M12X1

The demands for higher and higher degrees of temperature resistance certainly don't stop for industrial automation.

For these kinds of applications, CONEC now offers the high temperature family, which can withstand 8000 hours at a constant temperature of +125°C – it can also withstand temporary peak values of up to 150°C over 2000 hours.





The Food & Beverage industry has very special requirements regarding chemical and temperature resistance – also for the circular connector.

The procurement of standard components is often not up to this task. Materials have been selected for the CONEC circular connectors of the FOOD&BEVERAGE family which meet high hygienic requirements and which are resistance to common, harsh cleaning agents used in high pressure cleaning processes.

FOOD&BEVERAGE circular connectors from CONEC meet protection class IP69K.



SAL M12X1 CONNECTORS OVERERMOLDED

HIGH TEMPERATURE / FOOD & BEVERAGE

Nomenclature

S A L - H T - 1 2 - R K W 4 - 2 L - 3 / P 1

SAL	HT	12	R	K	W	4	2L	3	/	P	1
SAL Sensor Actor Line											
Building HT = Higher temperature resistance FB = Food & Beverage											
Installation size 12 = M12x1											
Coding = A-coding											
Building R = Circular connector											
Configuration K = Female connector S = Male connector											
Building = Axial W = Angled											
Number of poles 4 = 4-pos 5 = 5-pos											
LED-display 2L = 2 LED-display 3L = 3 LED-display											
Cable length XX = Length [m]											
Cable quality P1 = PP, orange S1 = TPE, black											

SAL M12X1 CONNECTORS OVERERMOULDED

HIGH TEMPERATURE / FOOD & BEVERAGE

Technical Data

Basic material	
Contact	HT: CuZn, CuBe / FB: CuZn
Contact plating	Nickel-plated, gold-plated
Contact carrier	HT: PBT GF, UL 94 FB: PP GF, UL 94
Moulding body	Thermoplastic elastomere
Sealing	FPM
Coupling nut/-screw	HT: CuZn, nickel-plated FB: 1.4404 stainless steel

Information on the following pages are basing on below mentioned IEC-standards.

Rated voltage	IEC 61076-2-101
Current rating	IEC 61076-2-101
Insulation resistance	IEC 60512-2
Pollution degree	IEC 60664-1
Degree of protection	IEC 60529
Temperature range	IEC 60664-1
Mating cycles	IEC 61076-2--101

Technical subject to change without notice.

SAL M12X1 SOCKETS HIGH TEMPERATURE / FOOD & BEVERAGE

Nomenclature

	S	A	L	-	H	T	-	1	2	-	F	K	P	4	-	0,5	-	9
SAL Sensor Actor Line																		
Building HT = Higher temperature resistance FB = Food & Beverage																		
Installation size 12 = M12x1																		
Coding = A-coding																		
Building F = Socket																		
Configuration K = Female connector S = Male connector																		
Assembly = Frontmounting P = Positioning possible, Frontmounting H = Backmounting																		
Number of poles 4 = 4-pos 5 = 5-pos																		
Type of Connection XX = Lenght of wire [m]																		
Screw connection = M16x1,5 9 = PG9																		

SAL M12X1 SOCKETS HIGH TEMPERATURE / FOOD & BEVERAGE

Technical Data

Basic material	
Contact	CuZn
Contact plating	Nickel-plated, gold-plated
Contact carrier	HT: PBT GF, UL 94 FB: PP GF, UL 94
Sealing	FPM
Counter nut	HT: CuZn, nickel-plated FB: 1.4404 stainless steel
Socket housing	HT: CuZn, nickel-plated FB: 1.4404 stainless steel
Grouting	Polyurethane-resin, UL 94

Information on the following pages are basing on below mentioned IEC-standards.

Rated voltage	IEC 61076-2-101
Current rating	IEC 61076-2-101
Insulation resistance	IEC 60512-2
Pollution degree	IEC 60664-1
Degree of protection	IEC 60529
Temperature range	IEC 60664-1
Mating cycles	IEC 61076-2-101

Technical subject to change without notice.

SAL M12X1 SENSOR-/ACTUATORBOX FOOD & BEVERAGE

Nomenclature

S A L - F B - 1 2 - 8 F K 5 - L - 5 / A 2

SAL
Sensor Actor Line

Building
FB = Food & Beverage

Installation size
12 = M12x1

Coding = A-coding

Quantity I/O-ports
4 = 4-fold Junction box
8 = 8-fold Junction box

Building
F = Socket

Configuration
K = Female connector

Number of poles
5 = I/O-port 4-pos + Ground

LED-display
1L = 1 LED-display

Cable length
5 = 5m
10 = 10m

Cable quality/Connection
= M23x1-connector
A2 = PVC, black

SAL M12X1 SENSOR-/ACTUATORBOX FOOD & BEVERAGE

Technical Data

Basic material	
Contact	CuZn
Contact plating	Nickel-plated, gold-plated
Contact carrier	PBT GF, UL 94
Sealing	FPM
Housing	1.4404 stainless steel
Grouting	Polyurethane-resin, UL 94

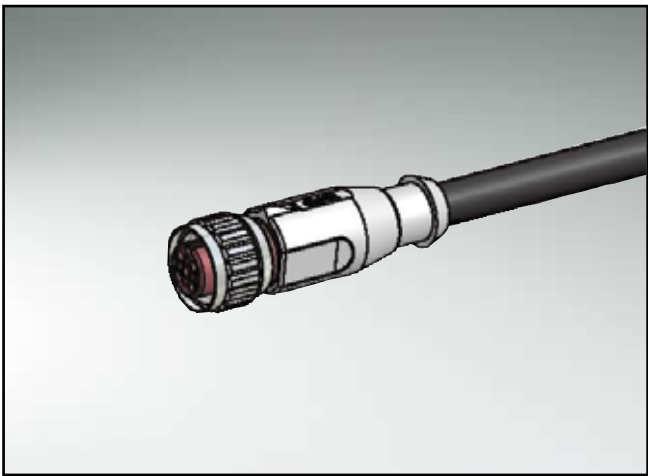
Information on the following pages are basing on below mentioned IEC-standards.

Rated voltage	IEC 61076-2-101
Current rating	IEC 61076-2-101
Insulation resistance	IEC 60512-2
Pollution degree	IEC 60664-1
Degree of protection	IEC 60529
Temperature range	IEC 60664-1
Mating cycles	IEC 61076-2-101

Technical subject to change without notice.

SAL M12X1 CONNECTORS - HT TEMPERATURE RESISTANT 125°C

Female connector, axial



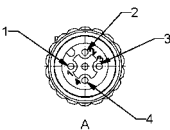
TECHNICAL DATA

Rated voltage	4-pos	5-pos
	250V	60V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP65 in mated condition	
Temperature range	+100°C to 30.000h	
	+125°C to 8.000h	
	+150°C to 2.000h	
Mating cycles	<=100	

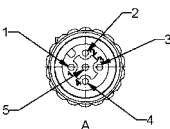
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

4-pos



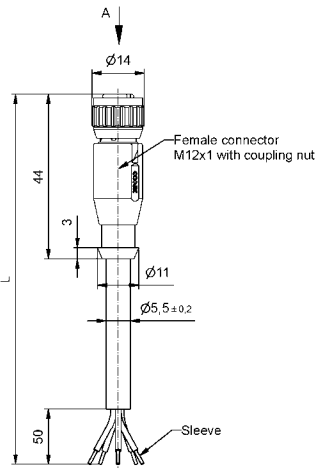
5-pos



CONTACT ASSIGNMENT 4 - 5-POS

brown	1
white	2
blue	3
black	4
green-yellow	5

DIMENSION DRAWING



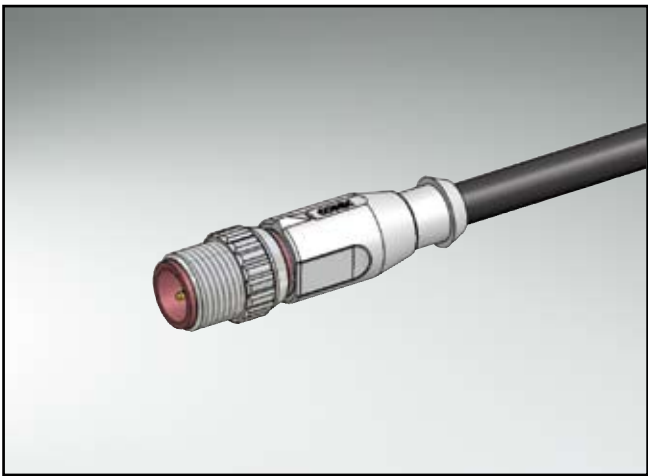
ORDER DATA

Cable	Length/L	Description	4-pos Part-no.	Description	5-pos Part-no.
TPE, black 0,34mm ²	2m	SAL-HT-12-RK4-2/S1	43-10480	SAL-HT-12-RK5-2/S1	43-10484
	3m	SAL-HT-12-RK4-3/S1	43-10481	SAL-HT-12-RK5-3/S1	43-10485
	5m	SAL-HT-12-RK4-5/S1	43-10482	SAL-HT-12-RK5-5/S1	43-10486
	10m	SAL-HT-12-RK4-10/S1	43-10483	SAL-HT-12-RK5-10/S1	43-10487

For custom length or quality levels contact factory.

SAL M12X1 CONNECTORS - HT TEMPERATURE RESISTANT 125°C

Male connector, axial



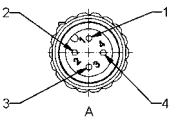
TECHNICAL DATA

Rated voltage	4-pos	5-pos
	250V	60V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP65 in mated condition	
Temperature range	+100°C to 30.000h	
	+125°C to 8.000h	
	+150°C to 2.000h	
Mating cycles	<=100	

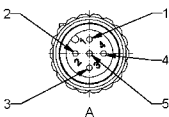
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PIN CONFIGURATION

4-pos



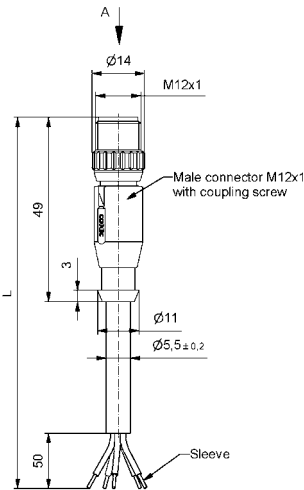
5-pos



CONTACT ASSIGNMENT 4 - 5-POS

brown	1
white	2
blue	3
black	4
green-yellow	5

DIMENSION DRAWING



ORDER DATA

Cable	Length/L	Description	4-pos Part-no.	Description	5-pos Part-no.
TPE, black 0,34mm ²	2m	SAL-HT-12-RS4-2/S1	43-10488	SAL-HT-12-RS5-2/S1	43-10492
	3m	SAL-HT-12-RS4-3/S1	43-10489	SAL-HT-12-RS5-3/S1	43-10493
	5m	SAL-HT-12-RS4-5/S1	43-10490	SAL-HT-12-RS5-5/S1	43-10494
	10m	SAL-HT-12-RS4-10/S1	43-10491	SAL-HT-12-RS5-10/S1	43-10495

For custom length or quality levels contact factory.

SAL M12X1 CONNECTORS - HT TEMPERATURE RESISTANT 125°C

Female connector, angled



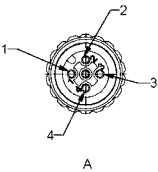
TECHNICAL DATA

Rated voltage	4-pos 250V	5-pos 60V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP65 in mated condition	
Temperature range	+100°C to 30.000h +125°C to 8.000h +150°C to 2.000h	
Mating cycles	<=100	

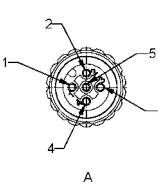
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PIN CONFIGURATION

4-pos



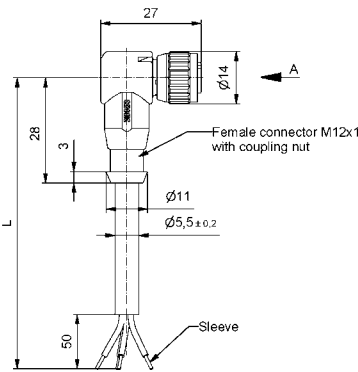
5-pos



CONTACT ASSIGNMENT 4 - 5-POS

brown	1
white	2
blue	3
black	4
green-yellow	5

DIMENSION DRAWING



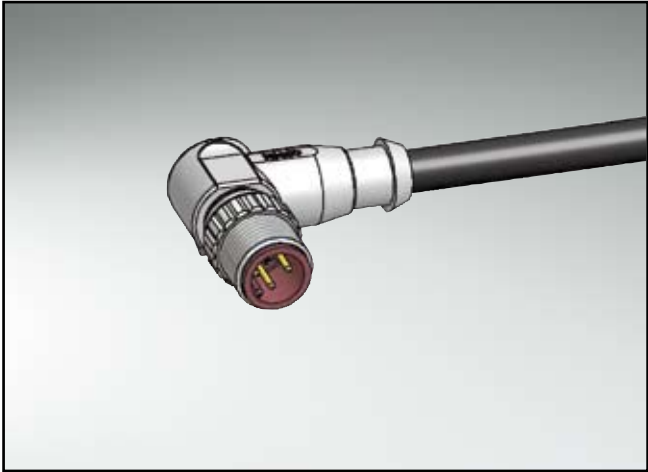
ORDER DATA

Cable	Length/L	Description	4-pos Part-no.	Description	5-pos Part-no.
TPE, black 0,34mm ²	2m	SAL-HT-12-RKW4-2/S1	43-10496	SAL-HT-12-RKW5-2/S1	43-10500
	3m	SAL-HT-12-RKW4-3/S1	43-10497	SAL-HT-12-RKW5-3/S1	43-10501
	5m	SAL-HT-12-RKW4-5/S1	43-10498	SAL-HT-12-RKW5-5/S1	43-10502
	10m	SAL-HT-12-RKW4-10/S1	43-10499	SAL-HT-12-RKW5-10/S1	43-10503

For custom length or quality levels contact factory.

SAL M12X1 CONNECTORS - HT TEMPERATURE RESISTANT 125°C

Male connector, angled



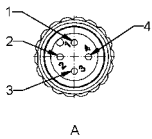
TECHNICAL DATA

Rated voltage	4-pos	5-pos
	250V	60V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP65 in mated condition	
Temperature range	+100°C to 30.000h	
	+125°C to 8.000h	
	+150°C to 2.000h	
Mating cycles	<=100	

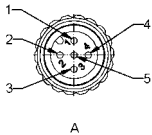
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PIN CONFIGURATION

4-pos



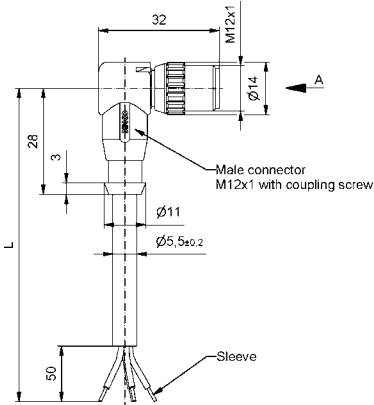
5-pos



CONTACT ASSIGNMENT 4 - 5-POS

brown	1
white	2
blue	3
black	4
green-yellow	5

DIMENSION DRAWING



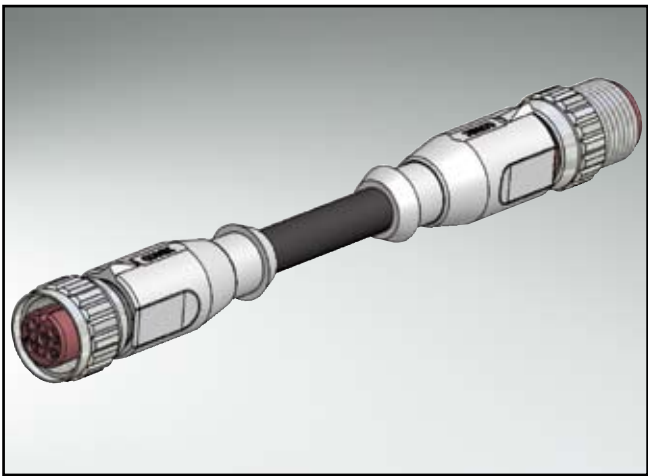
ORDER DATA

Cable	Length/L	Description	4-pos Part-no.	Description	5-pos Part-no.
TPE, black 0,34mm ²	2m	SAL-HT-12-RSW4-2/S1	43-10504	SAL-HT-12-RSW5-2/S1	43-10508
	3m	SAL-HT-12-RSW4-3/S1	43-10505	SAL-HT-12-RSW5-3/S1	43-10509
	5m	SAL-HT-12-RSW4-5/S1	43-10506	SAL-HT-12-RSW5-5/S1	43-10510
	10m	SAL-HT-12-RSW4-10/S1	43-10507	SAL-HT-12-RSW5-10/S1	43-10511

For custom length or quality levels contact factory.

SAL M12X1 CONNECTORS - HT TEMPERATURE RESISTANT 125°C

Connecting cable Female connector, axial – Male connector, axial



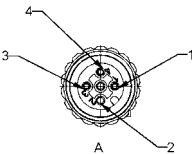
TECHNICAL DATA

Rated voltage	4-pos 250V	5-pos 60V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP65 in mated condition	
Temperature range	+100°C to 30.000h +125°C to 8.000h +150°C to 2.000h	
Mating cycles	<=100	

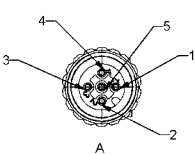
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Compliant

PIN CONFIGURATION

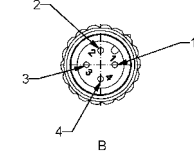
4-pos female



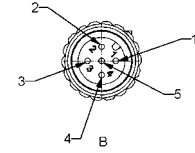
5-pos female



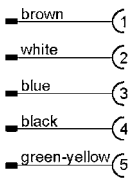
4-pos male



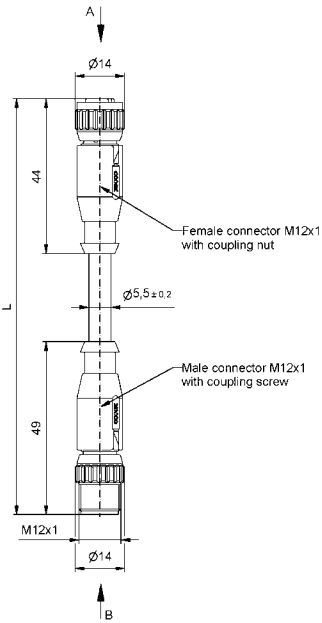
5-pos male



CONTACT ASSIGNMENT 4 - 5-POS



DIMENSION DRAWING



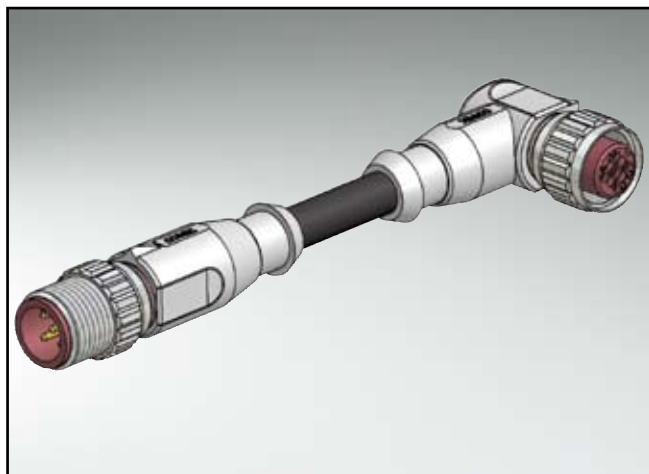
ORDER DATA

Cable	Length/L	Description	4-pos Part-no.	Description	5-pos Part-no.
TPE, black 0,34mm ²	0,3m	SAL-HT-12-RK4-RS4-0,3/S1	43-10900	SAL-HT-12-RK5-RS5-0,3/S1	43-10904
	0,6m	SAL-HT-12-RK4-RS4-0,6/S1	43-10901	SAL-HT-12-RK5-RS5-0,6/S1	43-10905
	1,5m	SAL-HT-12-RK4-RS4-1,5/S1	43-10902	SAL-HT-12-RK5-RS5-1,5/S1	43-10906
	3,0m	SAL-HT-12-RK4-RS4-3/S1	43-10903	SAL-HT-12-RK5-RS5-3/S1	43-10907

For custom length or quality levels contact factory.

SAL M12X1 CONNECTORS - HT TEMPERATURE RESISTANT 125°C

Connecting cable Female connector, angled – Male connector, axial



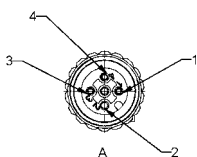
TECHNICAL DATA

Rated voltage	4-pos 250V	5-pos 60V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP65 in mated condition	
Temperature range	+100°C to 30.000h +125°C to 8.000h +150°C to 2.000h	
Mating cycles	<=100	

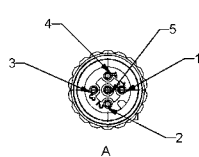
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

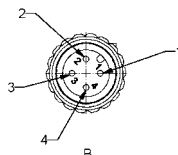
4-pos female



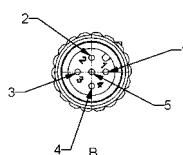
5-pos female



4-pos male



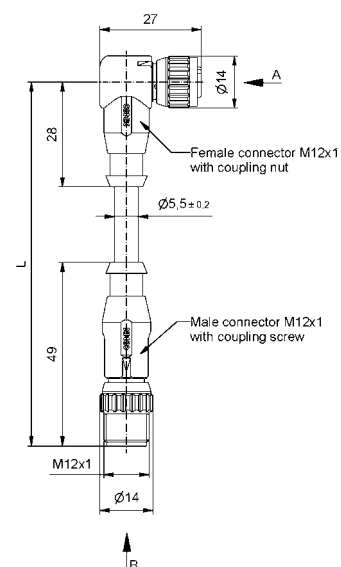
5-pos male



CONTACT ASSIGNMENT 4 - 5-POS

brown	1
white	2
blue	3
black	4
green-yellow	5

DIMENSION DRAWING



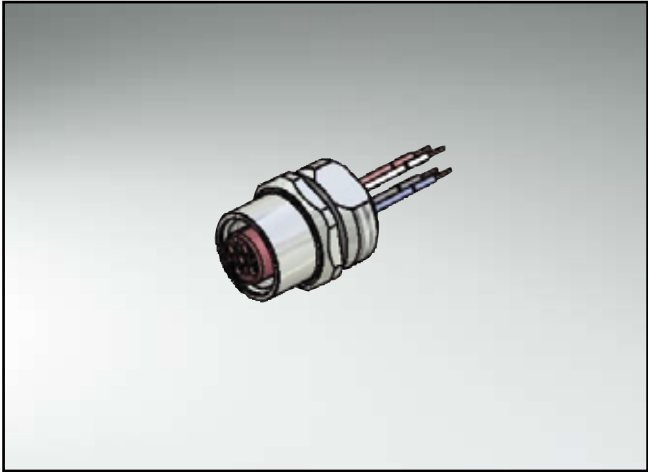
ORDER DATA

Cable	Length/L	Description	4-pos Part-no.	Description	5-pos Part-no.
TPE, black 0,34mm ²	0,3m	SAL-HT-12-RKW4-RS4-0,3/S1	43-10908	SAL-HT-12-RKW5-RS5-0,3/S1	43-10912
	0,6m	SAL-HT-12-RKW4-RS4-0,6/S1	43-10909	SAL-HT-12-RKW5-RS5-0,6/S1	43-10913
	1,5m	SAL-HT-12-RKW4-RS4-1,5/S1	43-10910	SAL-HT-12-RKW5-RS5-1,5/S1	43-10914
	3,0m	SAL-HT-12-RKW4-RS4-3/S1	43-10911	SAL-HT-12-RKW5-RS5-3/S1	43-10915

For custom length or quality levels contact factory.

SAL M12X1 CONNECTORS - HT TEMPERATURE RESISTANT 125°C

Female socket with wire, frontmounting, M16x1,5-thread



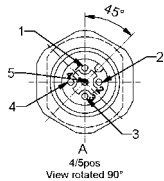
TECHNICAL DATA

Rated voltage	4-pos 250V	5-pos 60V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP67 in mated condition	
Temperature range	+100°C to 30.000h +125°C to 8.000h +150°C to 2.000h	
Mating cycles	<=100	

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Compliant

PIN CONFIGURATION

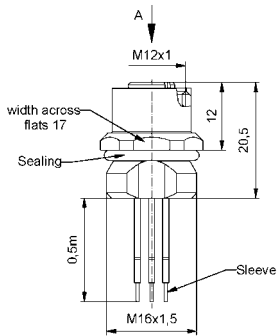
4 - 5-pos



CONTACT ASSIGNMENT 4 - 5-POS

brown	1
white	2
blue	3
black	4
green-yellow	5

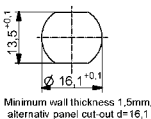
DIMENSION DRAWING



CONTACT ASSIGNMENT 5.1-POS

brown	1
white	2
blue	3
black	4
grey	5

CUT-OUT FRONT PANEL

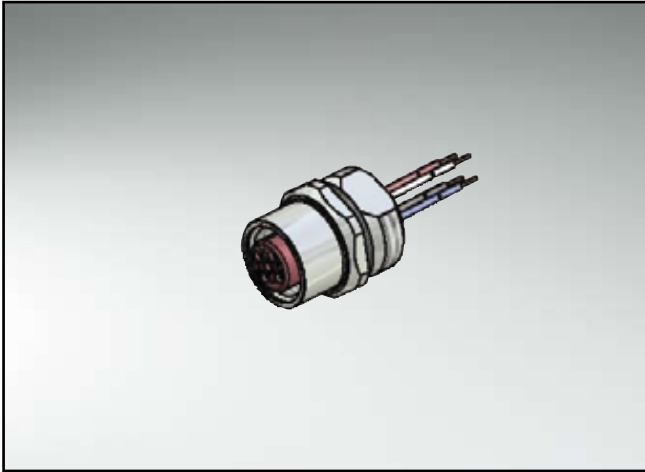


ORDER DATA

Wire	Length/L	Description	4-pos Part-no.	Description	5-pos Part-no.
TPE, AWG 24	0,5m	SAL-HT-12-FK4-0,5	43-01022	SAL-HT-12-FK5-0,5	43-01023
	0,5m			SAL-HT-12-FK5.1-0,5	43-01046
Accessories Please order separately		Counter nut	43-01155		

SAL M12X1 CONNECTORS - HT TEMPERATURE RESISTANT 125°C

Female socket with wire, frontmounting, PG9-thread



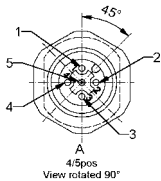
TECHNICAL DATA

Rated voltage	4-pos 250V	5-pos 60V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP67 in mated condition	
Temperature range	+100°C to 30.000h +125°C to 8.000h +150°C to 2.000h	
Mating cycles	<=100	

Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

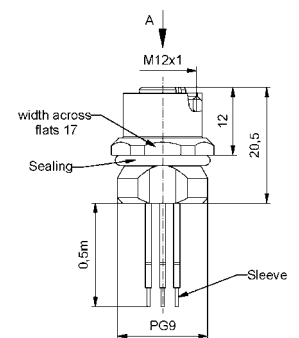
4 - 5-pos



CONTACT ASSIGNMENT 4 - 5-POS

brown	1
white	2
blue	3
black	4
green-yellow	5

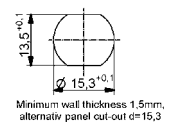
DIMENSION DRAWING



CONTACT ASSIGNMENT 5.1-POS

brown	1
white	2
blue	3
black	4
grey	5

CUT-OUT FRONT PANEL

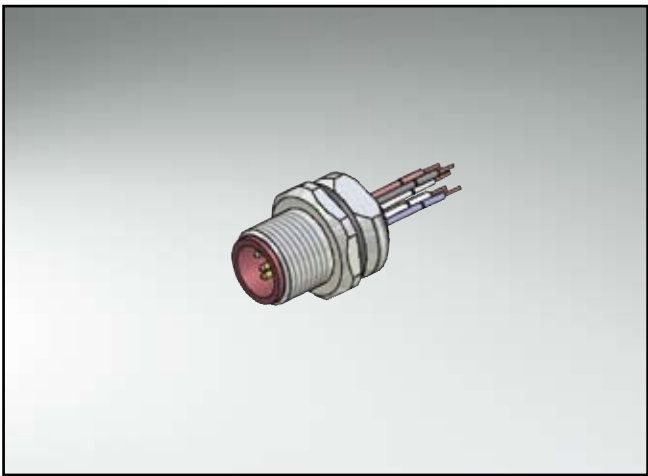


ORDER DATA

Wire	Length/L	Description	4-pos Part-no.	Description	5-pos Part-no.
TPE	0,5m	SAL-HT-12-FK4-0,5-9	43-01076	SAL-HT-12-FK5-0,5-9	43-01078
AWG 24	0,5m			SAL-HT-12-FK5.1-0,5-9	43-01077
Accessories Please order separately		Counter nut	43-01156		

SAL M12X1 CONNECTORS - HT TEMPERATURE RESISTANT 125°C

Male socket with wire, frontmounting, M16x1,5-thread



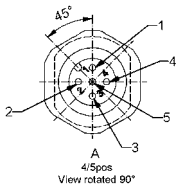
TECHNICAL DATA

Rated voltage	4-pos 250V	5-pos 60V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP67 in mated condition	
Temperature range	+100°C to 30.000h +125°C to 8.000h +150°C to 2.000h	
Mating cycles	<=100	

Directive 2002 95 EC
 „RoHS“
 Compliant

PIN CONFIGURATION

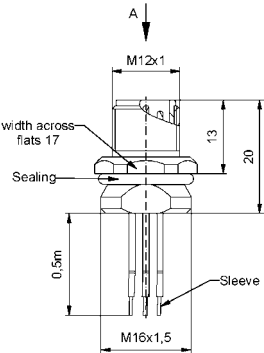
4 - 5-pos



CONTACT ASSIGNMENT 4 - 5-POS

- 1 brown
- 2 white
- 3 blue
- 4 black
- 5 green-yellow

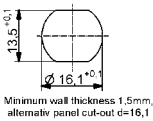
DIMENSION DRAWING



CONTACT ASSIGNMENT 5.1-POS

- 1 brown
- 2 white
- 3 blue
- 4 black
- 5 grey

CUT-OUT FRONT PANEL

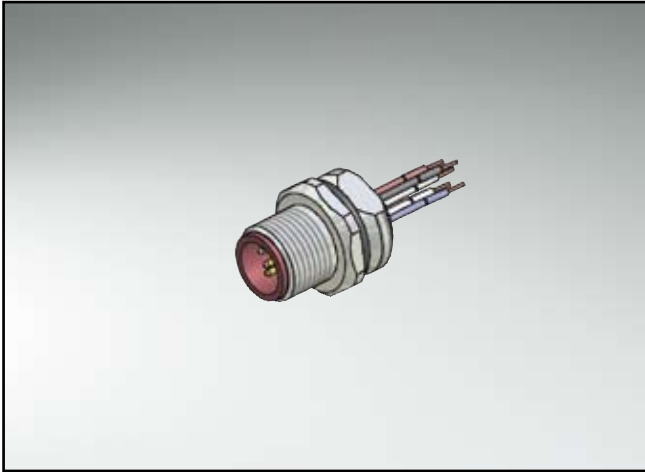


ORDER DATA

Wire	Length/L	Description	4-pos Part-no.	Description	5-pos Part-no.
TPE	0,5m	SAL-HT-12-FS4-0,5	43-01024	SAL-HT-12-FS5-0,5	43-01025
AWG 24	0,5m			SAL-HT-12-FS5.1-0,5	43-01050
Accessories Please order separately		Counter nut	43-01155		

SAL M12X1 CONNECTORS - HT TEMPERATURE RESISTANT 125°C

Male socket with wire, frontmounting, PG9-thread



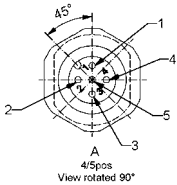
TECHNICAL DATA

Rated voltage	4-pos 250V	5-pos 60V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP67 in mated condition	
Temperature range	+100°C to 30.000h +125°C to 8.000h +150°C to 2.000h	
Mating cycles	<=100	

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Compliant

PIN CONFIGURATION

4 - 5-pos



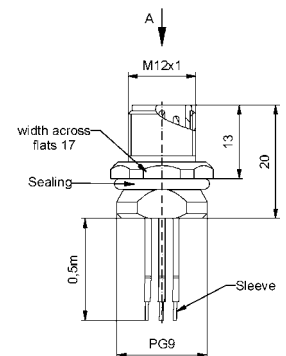
CONTACT ASSIGNMENT 4 - 5-POS

brown	1
white	2
blue	3
black	4
green-yellow	5

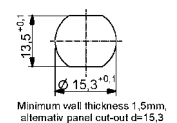
CONTACT ASSIGNMENT 5.1-POS

brown	1
white	2
blue	3
black	4
grey	5

DIMENSION DRAWING



CUT-OUT FRONT PANEL

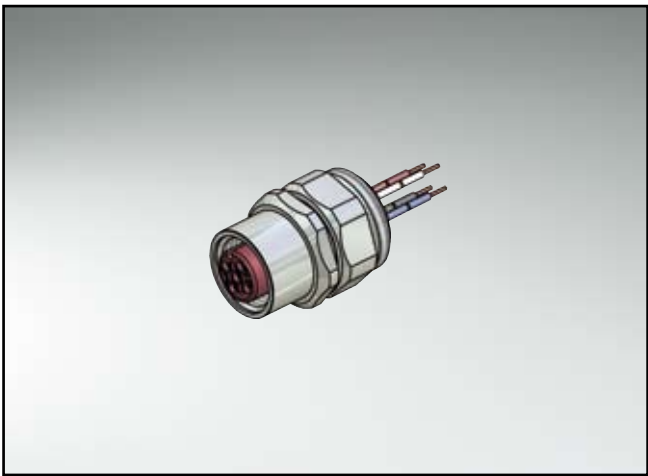


ORDER DATA

Wire	Length/L	Description	4-pos Part-no.	Description	5-pos Part-no.
TPE	0,5m	SAL-HT-12-FS4-0,5-9	43-01085	SAL-HT-12-FS5-0,5-9	43-01087
AWG 24	0,5m			SAL-HT-12-FS5.1-0,5-9	43-01086
Accessories Please order separately		Counter nut	43-01156		

SAL M12X1 CONNECTORS - HT TEMPERATURE RESISTANT 125°C

Female socket with wire, positioning possible, frontmounting, M16x1,5-thread



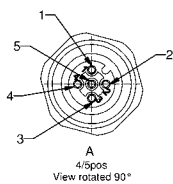
TECHNICAL DATA

Rated voltage	4-pos 250V	5-pos 60V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP67 in mated condition	
Temperature range	+100°C to 30.000h +125°C to 8.000h +150°C to 2.000h	
Mating cycles	<=100	

Directive 2002 95 EC
 „RoHS“
 Compliant

PIN CONFIGURATION

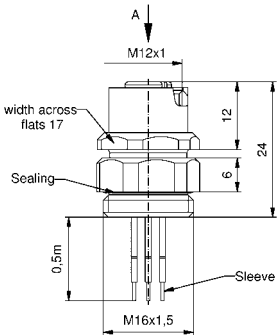
4 - 5-pos



CONTACT ASSIGNMENT 4 - 5-POS

brown	1
white	2
blue	3
black	4
green-yellow	5

DIMENSION DRAWING



CONTACT ASSIGNMENT 5.1-POS

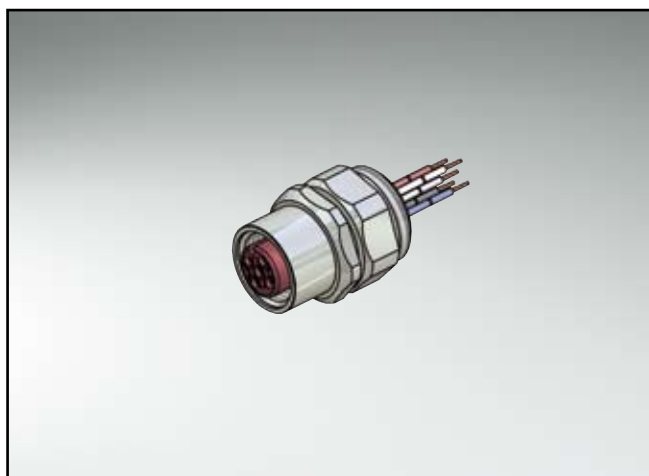
brown	1
white	2
blue	3
black	4
grey	5

ORDER DATA

Wire	Length/L	Description	4-pos Part-no.	Description	5-pos Part-no.
TPE	0,5m	SAL-HT-12-FKP4-0,5	43-01038	SAL-HT-12-FKP5-0,5	43-01039
AWG 24	0,5m			SAL-HT-12-FKP5.1-0,5	43-01127
Accessories Please order separately		Counter nut	43-01155		

SAL M12X1 CONNECTORS - HT TEMPERATURE RESISTANT 125°C

Female socket with wire, positioning possible, frontmounting, PG9-thread



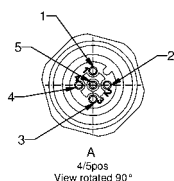
TECHNICAL DATA

Rated voltage	4-pos 250V	5-pos 60V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP67 in mated condition	
Temperature range	+100°C to 30.000h +125°C to 8.000h +150°C to 2.000h	
Mating cycles	<=100	

Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

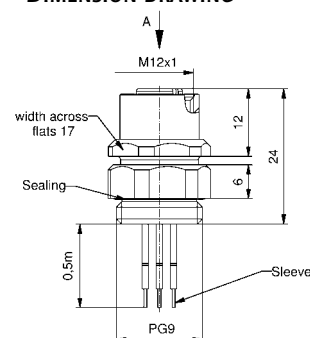
4 - 5-pos



CONTACT ASSIGNMENT 4 - 5-POS

brown	1
white	2
blue	3
black	4
green-yellow	5

DIMENSION DRAWING



CONTACT ASSIGNMENT 5.1-POS

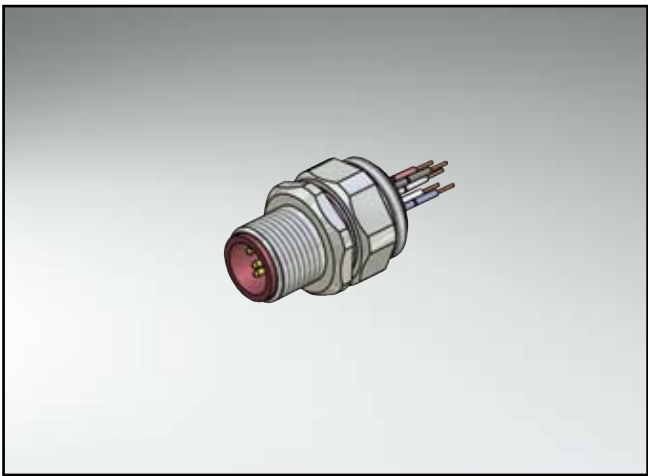
brown	1
white	2
blue	3
black	4
grey	5

ORDER DATA

Wire	Length/L	Description	4-pos Part-no.	Description	5-pos Part-no.
TPE	0,5m	SAL-HT-12-FKP4-0,5-9	43-01112	SAL-HT-12-FKP5-0,5-9	43-01113
AWG 24	0,5m			SAL-HT-12-FKP5.1-0,5-9	43-01135
Accessories Please order separately		Counter nut	43-01156		

SAL M12X1 CONNECTORS - HT TEMPERATURE RESISTANT 125°C

Male socket with wire, positioning possible, frontmounting, M16x1,5-thread



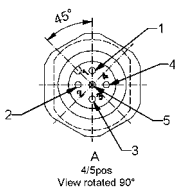
TECHNICAL DATA

Rated voltage	4-pos 250V	5-pos 60V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP67 in mated condition	
Temperature range	+100°C to 30.000h +125°C to 8.000h +150°C to 2.000h	
Mating cycles	<=100	

Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

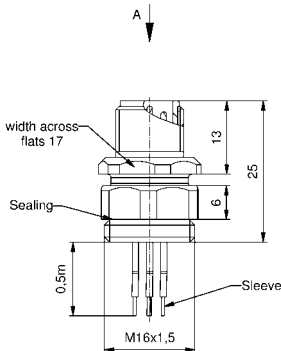
4 - 5-pos



CONTACT ASSIGNMENT 4 - 5-POS

- brown 1
- white 2
- blue 3
- black 4
- green-yellow 5

DIMENSION DRAWING



CONTACT ASSIGNMENT 5.1-POS

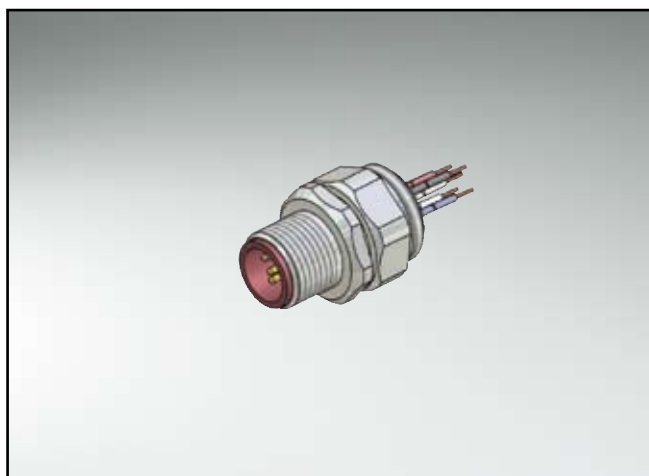
- brown 1
- white 2
- blue 3
- black 4
- grey 5

ORDER DATA

Wire	Length/L	Description	4-pos Part-no.	Description	5-pos Part-no.
TPE	0,5m	SAL-HT-12-FSP4-0,5	43-01040	SAL-HT-12-FSP5-0,5	43-01041
AWG 24	0,5m			SAL-HT-12-FSP5.1-0,5	43-01128
Accessories Please order separately		Counter nut	43-01155		

SAL M12X1 CONNECTORS - HT TEMPERATURE RESISTANT 125°C

Male socket with wire, positioning possible, frontmounting, PG9-thread



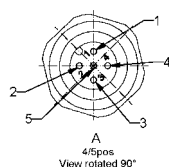
TECHNICAL DATA

Rated voltage	4-pos 250V	5-pos 60V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP67 in mated condition	
Temperature range	+100°C to 30.000h +125°C to 8.000h +150°C to 2.000h	
Mating cycles	<=100	

Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

4 - 5-pos



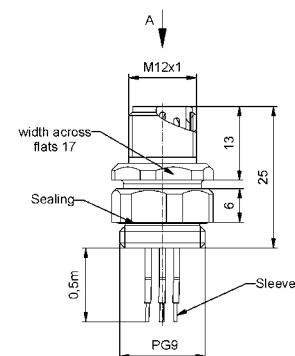
CONTACT ASSIGNMENT 4 - 5-POS

brown	1
white	2
blue	3
black	4
green-yellow	5

CONTACT ASSIGNMENT 5.1-POS

brown	1
white	2
blue	3
black	4
grey	5

DIMENSION DRAWING

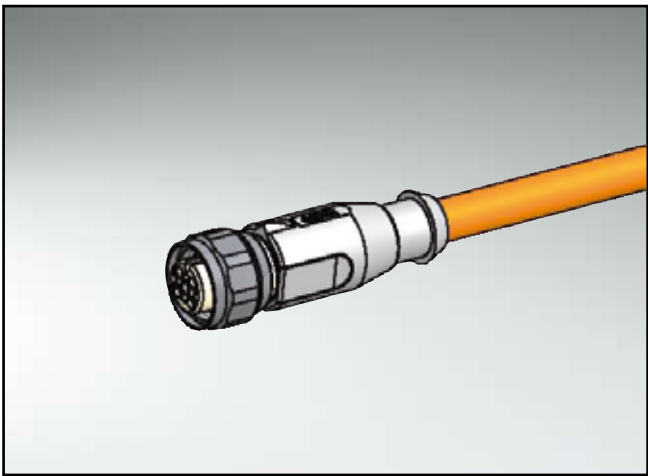


ORDER DATA

Wire	Length/L	Description	4-pos Part-no.	Description	5-pos Part-no.
TPE	0,5m	SAL-HT-12-FSP4-0,5-9	43-01114	SAL-HT-12-FSP5-0,5-9	43-01115
AWG 24	0,5m			SAL-HT-12-FSP5.1-0,5-9	43-01136
Accessories Please order separately		Counter nut	43-01156		

SAL M12X1 CONNECTORS - FB FOR FOOD & BEVERAGE INDUSTRY

Female connector, axial



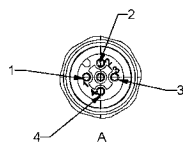
TECHNICAL DATA

Rated voltage	4-pos 250V	5-pos 60V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP69K in mated condition	
Temperature range	-30°C to +105°C	
Mating cycles	<=100	

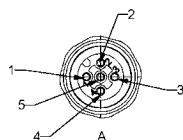
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

4-pos



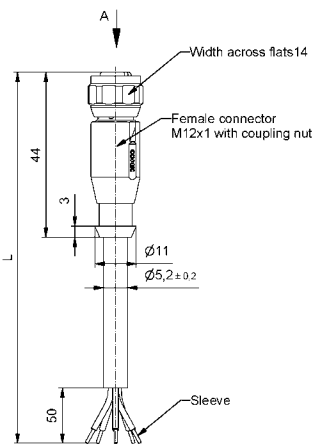
5-pos



CONTACT ASSIGNMENT 4 - 5-POS

- brown 1
- white 2
- blue 3
- black 4
- green-yellow 5

DIMENSION DRAWING



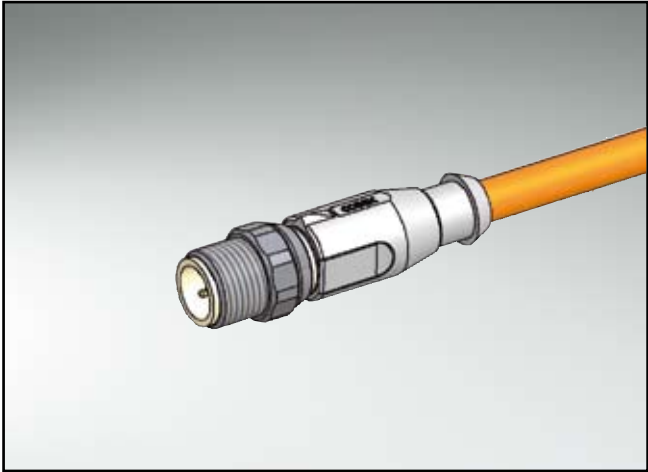
ORDER DATA

Cable	Length/L	Description	4-pos Part-no.	Description	5-pos Part-no.
PP, orange 0,34mm ²	2m	SAL-FB-12-RK4-2/P1	43-10512	SAL-FB-12-RK5-2/P1	43-10516
	3m	SAL-FB-12-RK4-3/P1	43-10513	SAL-FB-12-RK5-3/P1	43-10517
	5m	SAL-FB-12-RK4-5/P1	43-10514	SAL-FB-12-RK5-5/P1	43-10518
	10m	SAL-FB-12-RK4-10/P1	43-10515	SAL-FB-12-RK5-10/P1	43-10519

For custom length or quality levels contact factory.

SAL M12X1 CONNECTORS - FB FOR FOOD & BEVERAGE INDUSTRY

Male connector, axial



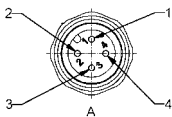
TECHNICAL DATA

Rated voltage	4-pos 250V	5-pos 60V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP69K in mated condition	
Temperature range	-30°C to +105°C	
Mating cycles	<=100	

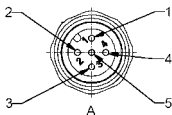
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

4-pos



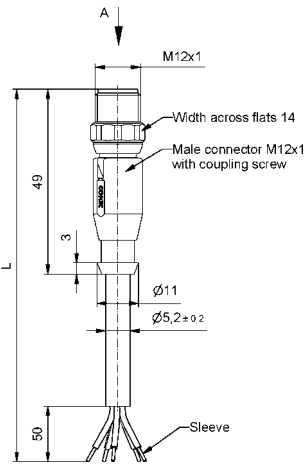
5-pos



CONTACT ASSIGNMENT 4 - 5-POS

brown	1
white	2
blue	3
black	4
green-yellow	5

DIMENSION DRAWING



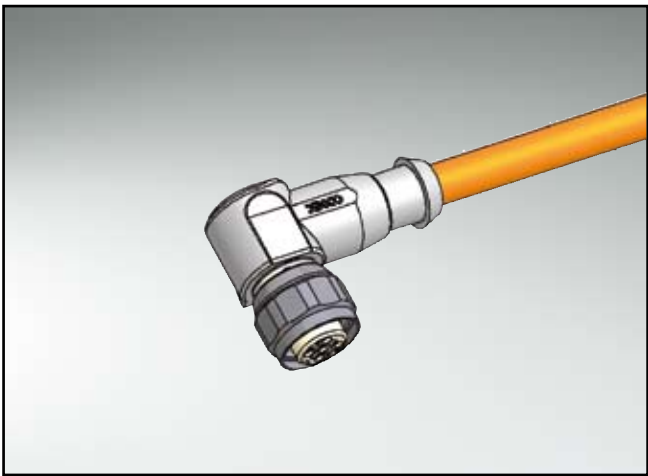
ORDER DATA

Cable	Length/L	Description	4-pos Part-no.	Description	5-pos Part-no.
PP, orange 0,34mm ²	2m	SAL-FB-12-RS4-2/P1	43-10520	SAL-FB-12-RS5-2/P1	43-10524
	3m	SAL-FB-12-RS4-3/P1	43-10521	SAL-FB-12-RS5-3/P1	43-10525
	5m	SAL-FB-12-RS4-5/P1	43-10522	SAL-FB-12-RS5-5/P1	43-10526
	10m	SAL-FB-12-RS4-10/P1	43-10523	SAL-FB-12-RS5-10/P1	43-10527

For custom length or quality levels contact factory.

SAL M12X1 CONNECTORS - FB FOR FOOD & BEVERAGE INDUSTRY

Female connector, angled



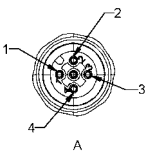
TECHNICAL DATA

Rated voltage	4-pos	5-pos
	250V	60V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP69K in mated condition	
Temperature range	-30°C to +105°C	
Mating cycles	<=100	

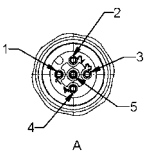
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

4-pos



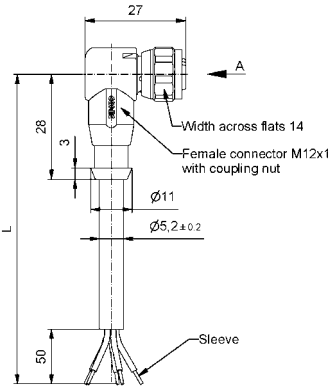
5-pos



CONTACT ASSIGNMENT 4 - 5-POS

- brown 1
- white 2
- blue 3
- black 4
- green-yellow 5

DIMENSION DRAWING



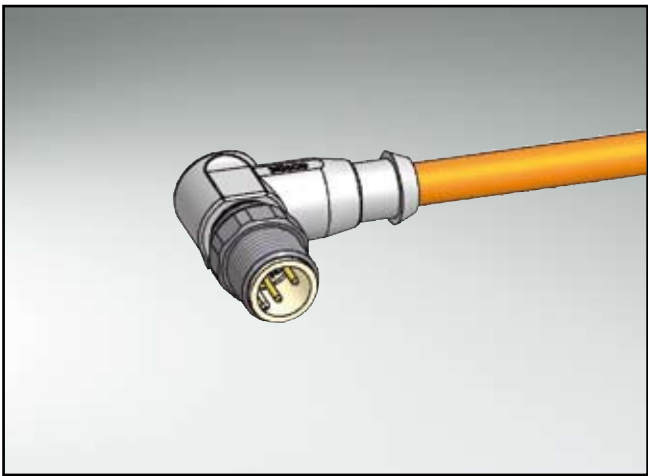
ORDER DATA

Cable	Length/L	Description	4-pos Part-no.	Description	5-pos Part-no.
PP, orange 0,34mm ²	2m	SAL-FB-12-RKW4-2/P1	43-10528	SAL-FB-12-RKW5-2/P1	43-10532
	3m	SAL-FB-12-RKW4-3/P1	43-10529	SAL-FB-12-RKW5-3/P1	43-10533
	5m	SAL-FB-12-RKW4-5/P1	43-10530	SAL-FB-12-RKW5-5/P1	43-10534
	10m	SAL-FB-12-RKW4-10/P1	43-10531	SAL-FB-12-RKW5-10/P1	43-10535

For custom length or quality levels contact factory.

SAL M12X1 CONNECTORS - FB FOR FOOD & BEVERAGE INDUSTRY

Male connector, angled



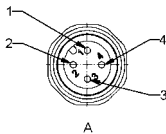
TECHNICAL DATA

Rated voltage	4-pos	5-pos
	250V	60V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP69K in mated condition	
Temperature range	-30°C to +105°C	
Mating cycles	<=100	

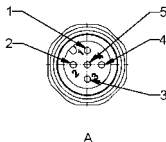
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

4-pos



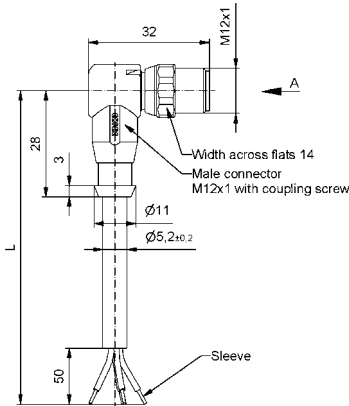
5-pos



CONTACT ASSIGNMENT 4 - 5-POS

brown	1
white	2
blue	3
black	4
green-yellow	5

DIMENSION DRAWING



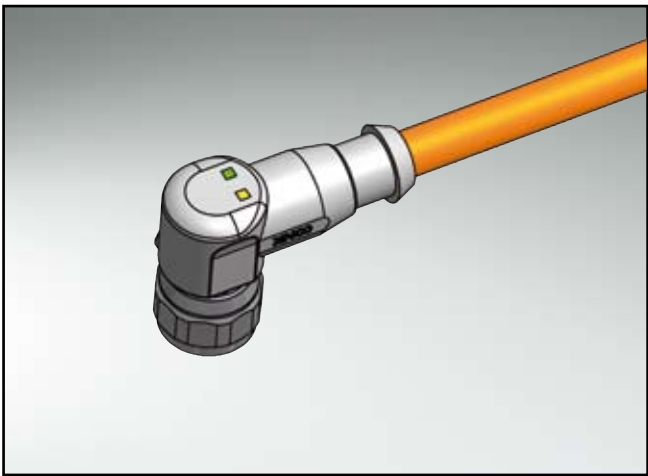
ORDER DATA

Cable	Length/L	Description	4-pos Part-no.	Description	5-pos Part-no.
PP, orange 0,34mm ²	2m	SAL-FB-12-RSW4-2/P1	43-10536	SAL-FB-12-RSW5-2/P1	43-10540
	3m	SAL-FB-12-RSW4-3/P1	43-10537	SAL-FB-12-RSW5-3/P1	43-10541
	5m	SAL-FB-12-RSW4-5/P1	43-10538	SAL-FB-12-RSW5-5/P1	43-10542
	10m	SAL-FB-12-RSW4-10/P1	43-10539	SAL-FB-12-RSW5-10/P1	43-10543

For custom length or quality levels contact factory.

SAL M12X1 CONNECTORS - FB FOR FOOD & BEVERAGE INDUSTRY

Female connector, angled, 2-fold LED-display

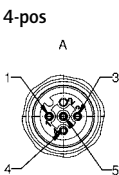


TECHNICAL DATA

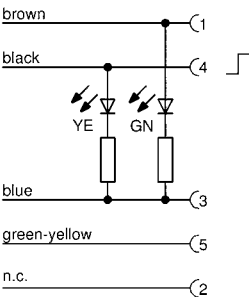
Rated voltage	4-pos 30V
Current rating	4A at +40°C
Pollution degree	3/2
Insulation resistance	= 10 ⁹ Ω
Degree of protection	IP69K in mated condition
Temperature range	-30°C to +105°C
Mating cycles	<=100

Directive 2002 95 EC
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Compliant

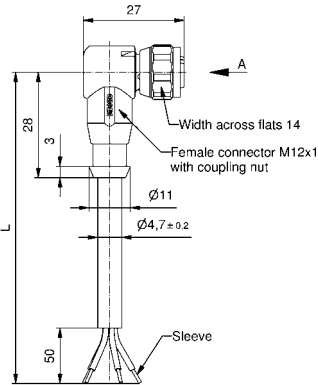
PIN CONFIGURATION



CONTACT ASSIGNMENT 4-POS



DIMENSION DRAWING



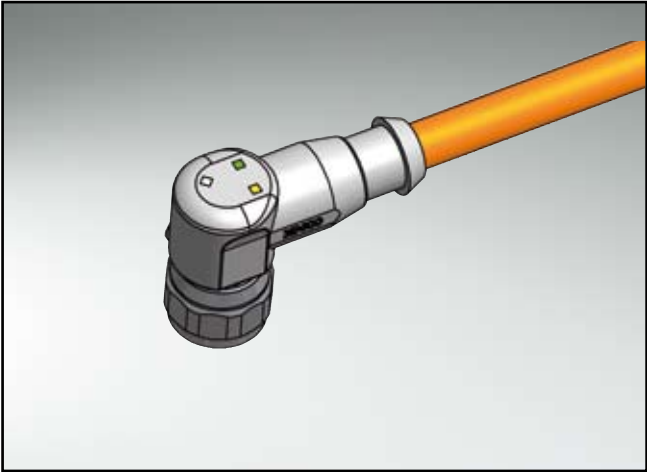
ORDER DATA

Cable	Length/L	Description	4-pos Part-no.
PP, orange 0,34mm ²	2m	SAL-FB-12-RKW5.2-2L-2/P1	43-11632
	3m	SAL-FB-12-RKW5.2-2L-3/P1	43-11633
	5m	SAL-FB-12-RKW5.2-2L-5/P1	43-11634
	10m	SAL-FB-12-RKW5.2-2L-10/P1	43-11635

For custom length or quality levels contact factory.

SAL M12X1 CONNECTORS - FB FOR FOOD & BEVERAGE INDUSTRY

Female connector, angled, 3-fold LED-display



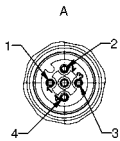
TECHNICAL DATA

Rated voltage	4-pos 30V	5-pos 30V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP69K in mated condition	
Temperature range	-30°C to +105°C	
Mating cycles	<=100	

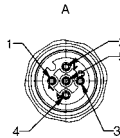
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

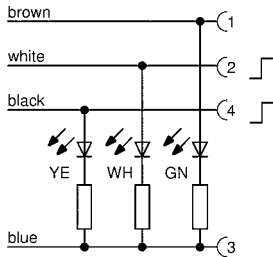
4-pos



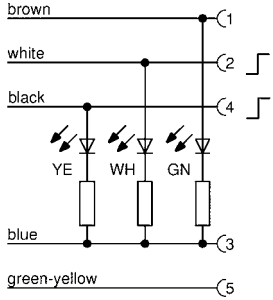
5-pos



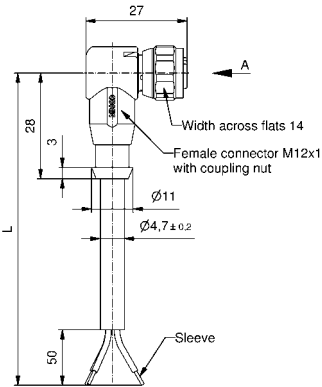
CONTACT ASSIGNMENT 4-POS



CONTACT ASSIGNMENT 5-POS



DIMENSION DRAWING



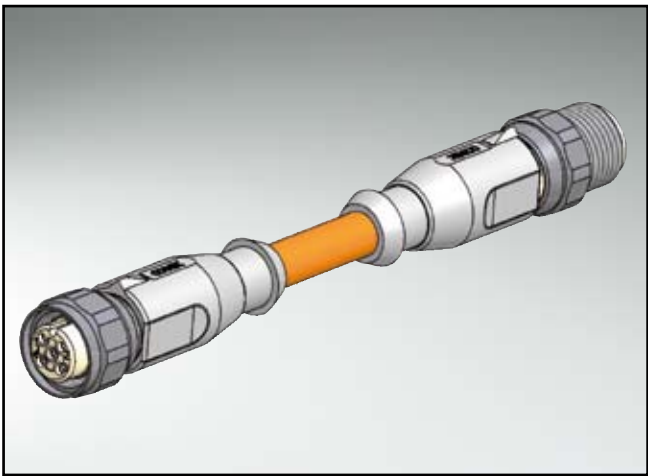
ORDER DATA

Cable	Length/L	Description	4-pos Part-no.	Description	5-pos Part-no.
PP, orange 0,34mm ²	2m	SAL-FB-12-RKW4-3L-2/P1	43-11636	SAL-FB-12-RKW5-3L-2/P1	43-11640
	3m	SAL-FB-12-RKW4-3L-3/P1	43-11637	SAL-FB-12-RKW5-3L-3/P1	43-11641
	5m	SAL-FB-12-RKW4-3L-5/P1	43-11638	SAL-FB-12-RKW5-3L-5/P1	43-11642
	10m	SAL-FB-12-RKW4-3L-10/P1	43-11639	SAL-FB-12-RKW5-3L-10/P1	43-11643

For custom length or quality levels contact factory.

SAL M12X1 CONNECTORS - FB FOR FOOD & BEVERAGE INDUSTRY

Connecting cable Female connector, axial – Male connector, axial



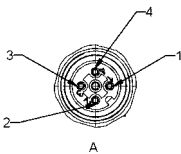
TECHNICAL DATA

Rated voltage	4-pos	5-pos
	250V	60V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP69K in mated condition	
Temperature range	-30°C to +105°C	
Mating cycles	<=100	

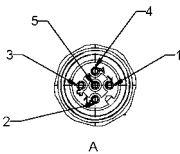
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"RoHS"
Compliant

PIN CONFIGURATION

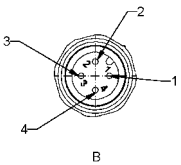
4-pos female



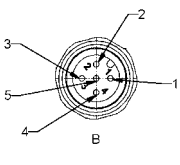
5-pos female



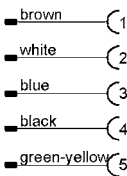
4-pos male



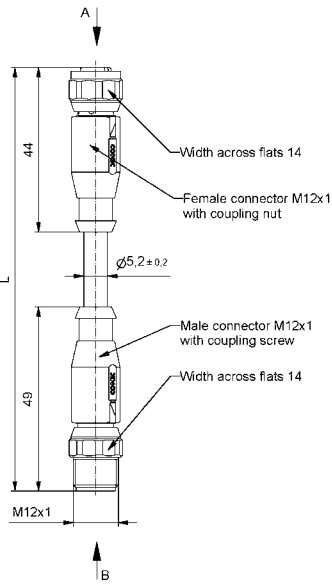
5-pos male



CONTACT ASSIGNMENT 4 - 5-POS



DIMENSION DRAWING



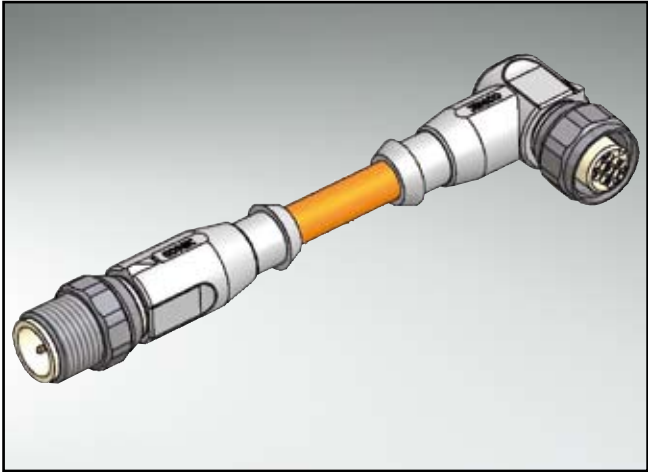
ORDER DATA

Cable	Length/L	Description	4-pos Part-no.	Description	5-pos Part-no.
PP, orange 0,34mm ²	0,3m	SAL-FB-12-RK4-RS4-0,3/P1	43-10916	SAL-FB-12-RK5-RS5-0,3/P1	43-10920
	0,6m	SAL-FB-12-RK4-RS4-0,6/P1	43-10917	SAL-FB-12-RK5-RS5-0,6/P1	43-10921
	1,5m	SAL-FB-12-RK4-RS4-1,5/P1	43-10918	SAL-FB-12-RK5-RS5-1,5/P1	43-10922
	3,0m	SAL-FB-12-RK4-RS4-3/P1	43-10919	SAL-FB-12-RK5-RS5-3/P1	43-10923

For custom length or quality levels contact factory.

SAL M12X1 CONNECTORS - FB FOR FOOD & BEVERAGE INDUSTRY

Connecting cable Female connector, angled – Male connector, axial



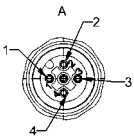
TECHNICAL DATA

Rated voltage	4-pos 250V	5-pos 60V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP69K in mated condition	
Temperature range	-30°C to +105°C	
Mating cycles	<=100	

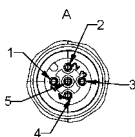
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

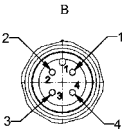
4-pos female



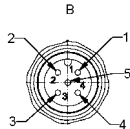
5-pos female



4-pos male



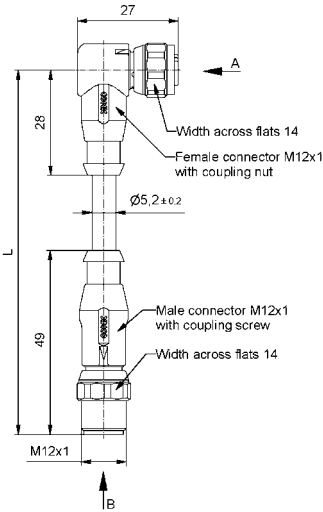
5-pos male



CONTACT ASSIGNMENT 4 - 5-POS

brown	1
white	2
blue	3
black	4
green-yellow	5

DIMENSION DRAWING



ORDER DATA

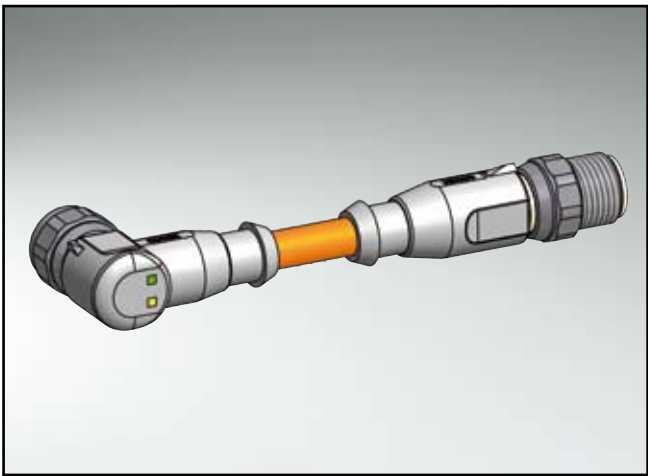
Cable	Length/L	Description	4-pos Part-no.	Description	5-pos Part-no.
PP, orange 0,34mm ²	0,3m	SAL-FB-12-RKW4-RS4-0,3/P1	43-10924	SAL-FB-12-RKW5-RS5-0,3/P1	43-10928
	0,6m	SAL-FB-12-RKW4-RS4-0,6/P1	43-10925	SAL-FB-12-RKW5-RS5-0,6/P1	43-10929
	1,5m	SAL-FB-12-RKW4-RS4-1,5/P1	43-10926	SAL-FB-12-RKW5-RS5-1,5/P1	43-10930
	3,0m	SAL-FB-12-RKW4-RS4-3/P1	43-10927	SAL-FB-12-RKW5-RS5-3/P1	43-10931

For custom length or quality levels contact factory.

SAL M12X1 CONNECTORS - FB FOR FOOD & BEVERAGE INDUSTRY

Connecting cable

Female connector, angled, 2-fold LED-display – Male connector, axial



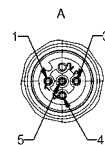
TECHNICAL DATA

Rated voltage	4-pos 30V
Current rating	4A at +40°C
Pollution degree	3/2
Insulation resistance	= 10 ⁹ Ω
Degree of protection	IP69K in mated condition
Temperature range	-30°C to +105°C
Mating cycles	<=100

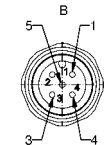
Directive 2002 95 EC
„RoHS“
Compliant

PIN CONFIGURATION

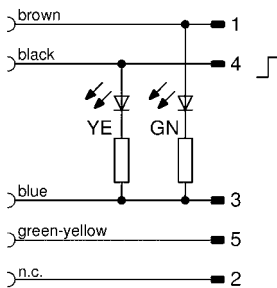
4-pos female



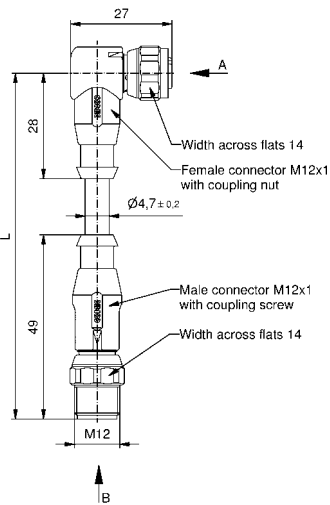
4-pos male



CONTACT ASSIGNMENT 4-POS



DIMENSION DRAWING



ORDER DATA

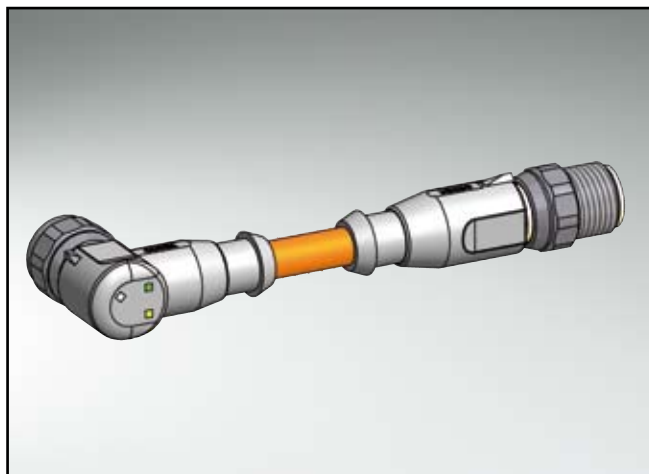
Cable	Length/L	Description	4-pos Part-no.
PP, orange	0,3m	SAL-FB-12-RKW5.2-RS5-2L-0,3/P1	43-11648
0,34mm ²	0,6m	SAL-FB-12-RKW5.2-RS5-2L-0,6/P1	43-11649
	1,5m	SAL-FB-12-RKW5.2-RS5-2L-1,5/P1	43-11650
	3,0m	SAL-FB-12-RKW5.2-RS5-2L-3/P1	43-11651

For custom length or quality levels contact factory.

SAL M12X1 CONNECTORS - FB FOR FOOD & BEVERAGE INDUSTRY

Connecting cable Female

connector, angled, 3-fold LED-display – Male connector, axial



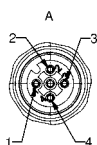
TECHNICAL DATA

Rated voltage	4-pos 30V	5-pos 30V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP69K in mated condition	
Temperature range	-30°C to +105°C	
Mating cycles	<=100	

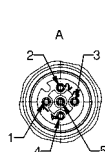
Directive 2002/95/EC
"RoHS"
Compliant

PIN CONFIGURATION

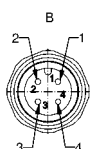
4-pos female



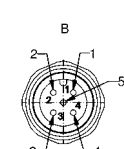
5-pos female



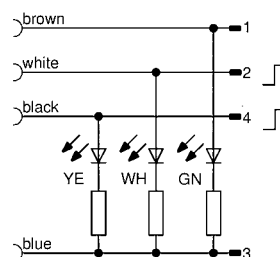
4-pos male



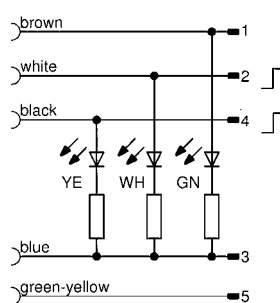
5-pos male



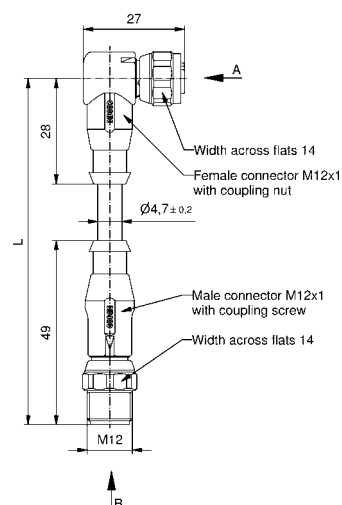
CONTACT ASSIGNMENT 4-POS



CONTACT ASSIGNMENT 5-POS



DIMENSION DRAWING



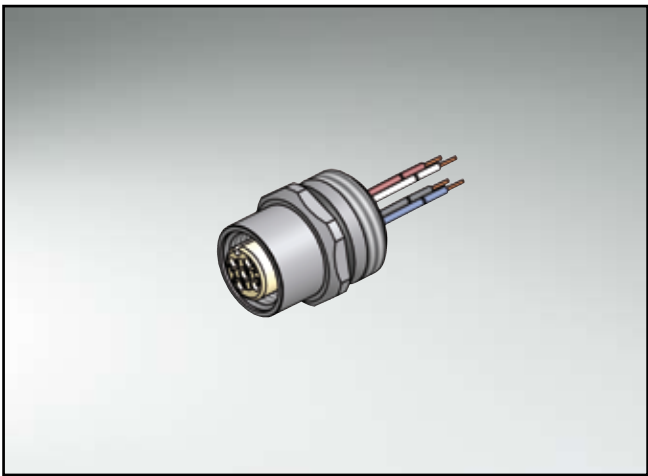
ORDER DATA

Cable	Length/L	Description	4-pos Part-no.	Description	5-pos Part-no.
PP, orange 0,34mm ²	0,3m	SAL-FB-12-RKW4-RS4-3L-0,3/P1	43-11652	SAL-FB-12-RKW5-RS5-3L-0,3/P1	43-11656
	0,6m	SAL-FB-12-RKW4-RS4-3L-0,6/P1	43-11653	SAL-FB-12-RKW5-RS5-3L-0,6/P1	43-11657
	1,5m	SAL-FB-12-RKW4-RS4-3L-1,5/P1	43-11654	SAL-FB-12-RKW5-RS5-3L-1,5/P1	43-11658
	3,0m	SAL-FB-12-RKW4-RS4-3L-3/P1	43-11655	SAL-FB-12-RKW5-RS5-3L-3/P1	43-11659

For custom length or quality levels contact factory.

SAL M12X1 CONNECTORS - FB FOR FOOD & BEVERAGE INDUSTRY

Female socket with wire, frontmounting, M16x1,5-thread



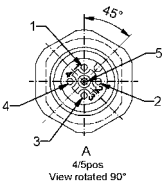
TECHNICAL DATA

Rated voltage	4-pos 250V	5-pos 60V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP69K in mated condition	
Temperature range	-30°C to +105°C	
Mating cycles	<=100	

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PIN CONFIGURATION

4 - 5-pos



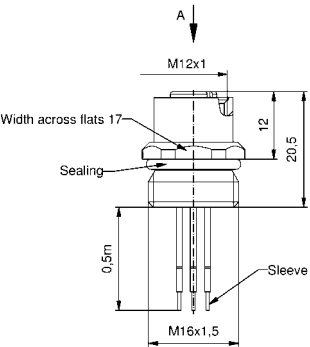
CONTACT ASSIGNMENT 4 - 5-POS

- 1 brown
- 2 white
- 3 blue
- 4 black
- 5 green-yellow

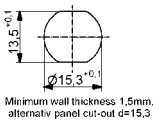
CONTACT ASSIGNMENT 5.1-POS

- 1 brown
- 2 white
- 3 blue
- 4 black
- 5 grey

DIMENSION DRAWING



CUT-OUT FRONT PANEL

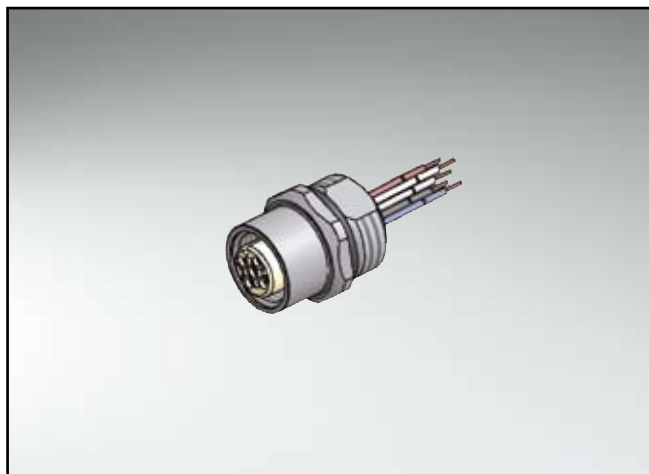


ORDER DATA

Wire	Length/L	Description	4-pos Part-no.	Description	5-pos Part-no.
PVC, UL, AWG 24	0,5m	SAL-FB-12-FK4-0,5	43-01018	SAL-FB-12-FK5-0,5	43-01019
	0,5m			SAL-FB-12-FK5.1-0,5	43-01047
Accessories Please order separately		Counter nut	43-12100		

SAL M12X1 CONNECTORS - FB FOR FOOD & BEVERAGE INDUSTRY

Female socket with wire, frontmounting, PG9-thread



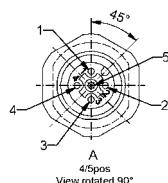
TECHNICAL DATA

Rated voltage	4-pos 250V	5-pos 60V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP69K in mated condition	
Temperature range	-30°C to +105°C	
Mating cycles	<=100	

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PIN CONFIGURATION

4 - 5-pos



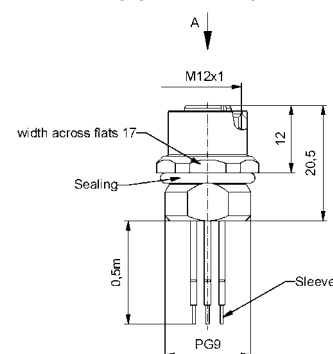
CONTACT ASSIGNMENT 4 - 5-POS

brown	1
white	2
blue	3
black	4
green-yellow	5

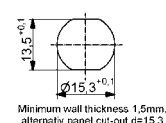
CONTACT ASSIGNMENT 5.1-POS

brown	1
white	2
blue	3
black	4
grey	5

DIMENSION DRAWING



CUT-OUT FRONT PANEL

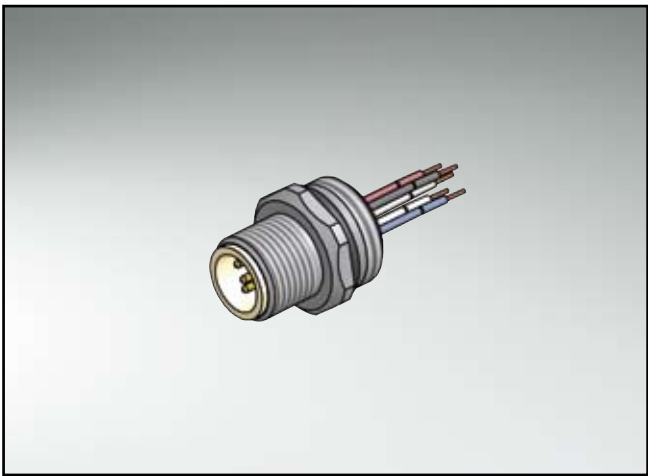


ORDER DATA

Wire	Length/L	Description	4-pos Part-no.	Description	5-pos Part-no.
PVC, UL, AWG 24	0,5m	SAL-FB-12-FK4-0,5-9	43-01103	SAL-FB-12-FK5-0,5-9	43-01105
	0,5m			SAL-FB-12-FK5.1-0,5-9	43-01104
Accessories Please order separately		Counter nut	43-12101		

SAL M12X1 CONNECTORS - FB FOR FOOD & BEVERAGE INDUSTRY

Male socket with wire, frontmounting, M16x1,5-thread



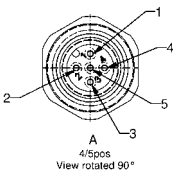
TECHNICAL DATA

Rated voltage	4-pos 250V	5-pos 60V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP69K in mated condition	
Temperature range	-30°C to +105°C	
Mating cycles	<=100	

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PIN CONFIGURATION

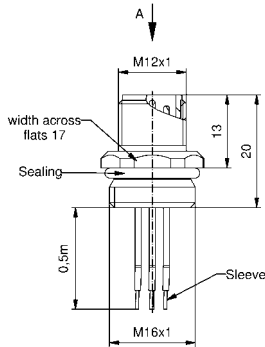
4 - 5-pos



CONTACT ASSIGNMENT 4 - 5-POS

- 1 brown
- 2 white
- 3 blue
- 4 black
- 5 green-yellow

DIMENSION DRAWING



CONTACT ASSIGNMENT 5.1-POS

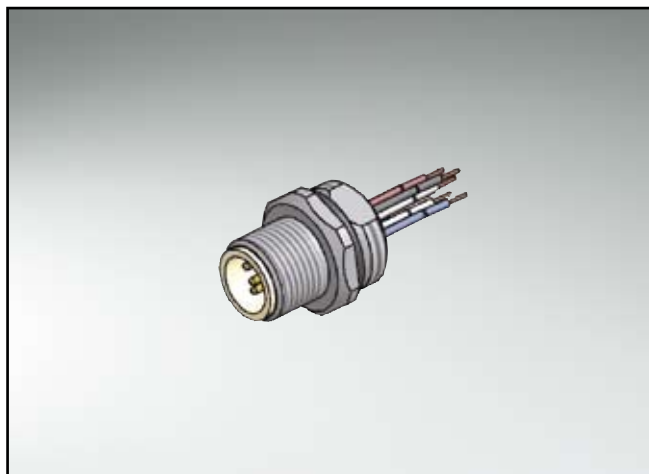
- 1 brown
- 2 white
- 3 blue
- 4 black
- 5 grey

ORDER DATA

Wire	Length/L	Description	4-pos Part-no.	Description	5-pos Part-no.
PVC, UL, AWG 24	0,5m	SAL-FB-12-FS4-0,5	43-01020	SAL-FB-12-FS5-0,5	43-01021
	0,5m			SAL-FB-12-FS5.1-0,5	43-01051
Accessories Please order separately		Counter nut	43-12100		

SAL M12X1 CONNECTORS - FB FOR FOOD & BEVERAGE INDUSTRY

Male socket with wire, frontmounting, PG9-thread



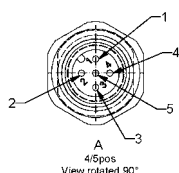
TECHNICAL DATA

Rated voltage	4-pos 250V	5-pos 60V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	= 10 ⁹ Ω	
Degree of protection	IP69K in mated condition	
Temperature range	-30°C to +105°C	
Mating cycles	<=100	

Directive 2002/95/EC
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PIN CONFIGURATION

4 - 5-pos



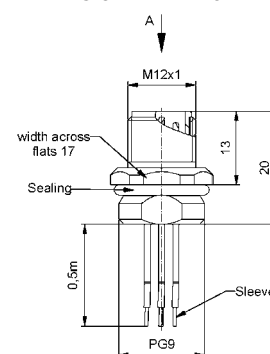
CONTACT ASSIGNMENT 4 - 5-POS

brown	1
white	2
blue	3
black	4
green-yellow	5

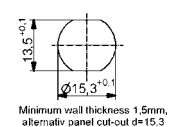
CONTACT ASSIGNMENT 5.1-POS

brown	1
white	2
blue	3
black	4
grey	5

DIMENSION DRAWING



CUT-OUT FRONT PANEL



ORDER DATA

Wire	Length/L	Description	4-pos Part-no.	Description	5-pos Part-no.
PVC, UL, AWG 24	0,5m	SAL-FB-12-FS4-0,5-9	43-01106	SAL-FB-12-FS5-0,5-9	43-01108
	0,5m			SAL-FB-12-FS5.1-0,5-9	43-01107
Accessories Please order separately		Counter nut	43-12101		

SENSOR-ACTOR-SPLITTER FOR FOOD & BEVERAGE INDUSTRY

8-fold Junction box with M23x1-connector,
stainless steel housing, I/O-ports 4-pos + Ground

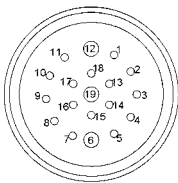


TECHNICAL DATA

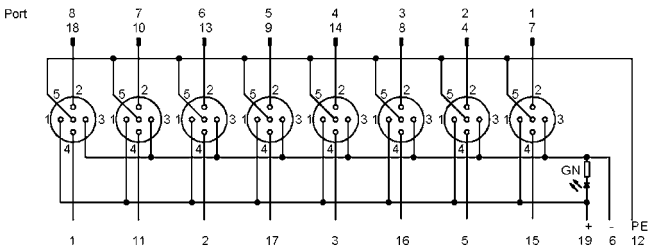
Rated voltage	30V
Rated voltage display	LED-display green
Current rating	2A per signal contact/ 9A Total ampacity
Pollution degree	3/2
Insulation resistance	= 10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	-30 °C to +85 °C
Mating cycles	<=100

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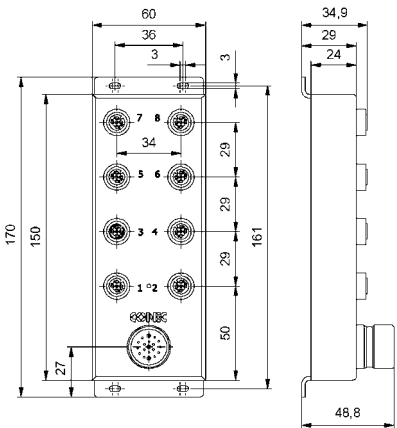
PIN CONFIGURATION M23



CONTACT ASSIGNMENT



DIMENSION DRAWING



ORDER DATA

Description	5-pos Part-no.
SAL-FB-12-8FK5-1L	43-05005

SENSOR-ACTOR-SPLITTER FOR FOOD & BEVERAGE INDUSTRY

8-fold Junction box with homerun-cable,
stainless steel housing, I/O-ports 4-pos + Ground

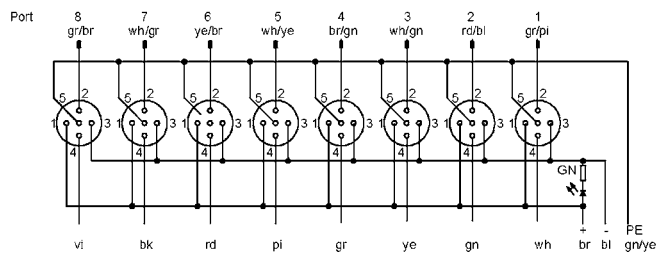


TECHNICAL DATA

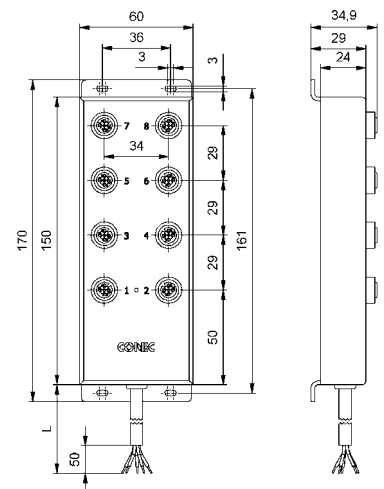
Rated voltage	30V
Rated voltage display	LED-display green
Current rating	2A per signal contact/ 9A Total ampacity
Pollution degree	3/2
Insulation resistance	= 10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	-30 °C to +85 °C
Mating cycles	<=100

Directive 2002 95 EC
"RoHS"
Compliant

CONTACT ASSIGNMENT



DIMENSION DRAWING



ORDER DATA

Cable	Length/L	Description	5-pos Part-no.
PVC, halogenfree black, LiYY	5m	SAL-FB-12-8FK5-1L-5/A2	43-05002
16x0,34/3x1,0	10m	SAL-FB-12-8FK5-1L-10/A2	43-05003

For custom length or quality levels contact factory.

SENSOR-ACTOR-SPLITTER FOR FOOD & BEVERAGE INDUSTRY

4-fold Junction box with M23x1-connector,
stainless steel housing, I/O-ports 4-pos + Ground

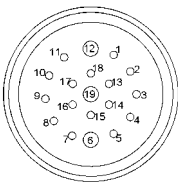


TECHNICAL DATA

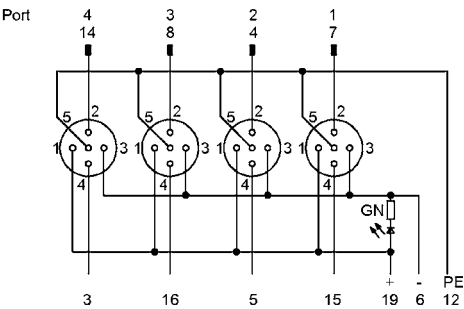
Rated voltage	30V
Rated voltage display	LED-display green
Current rating	2A per signal contact/ 9A Total ampacity
Pollution degree	3/2
Insulation resistance	= 10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	-30°C to +85°C
Mating cycles	<=100

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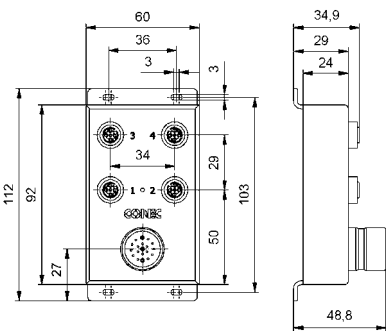
PIN CONFIGURATION M23



CONTACT ASSIGNMENT



DIMENSION DRAWING



ORDER DATA

Description	5-pos Part-no.
SAL-FB-12-4FK5-1L	43-05004

SENSOR-ACTOR-SPLITTER FOR FOOD & BEVERAGE INDUSTRY

4-fold Junction box with homerun-cable,
stainless steel housing, I/O-ports 4-pos + Ground

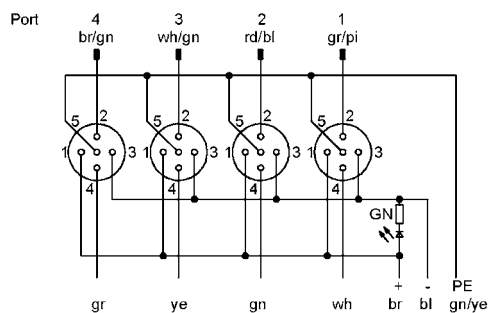


TECHNICAL DATA

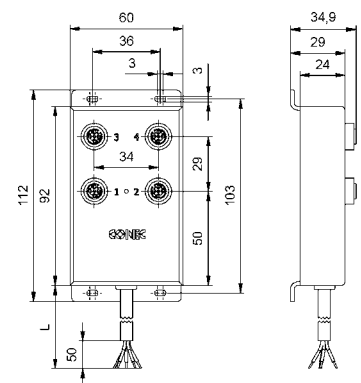
Rated voltage	30V
Rated voltage display	LED-display green
Current rating	2A per signal contact/ 9A Total ampacity
Pollution degree	3/2
Insulation resistance	= 10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	-30°C to +85°C
Mating cycles	<=100

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Compliant

CONTACT ASSIGNMENT



DIMENSION DRAWING



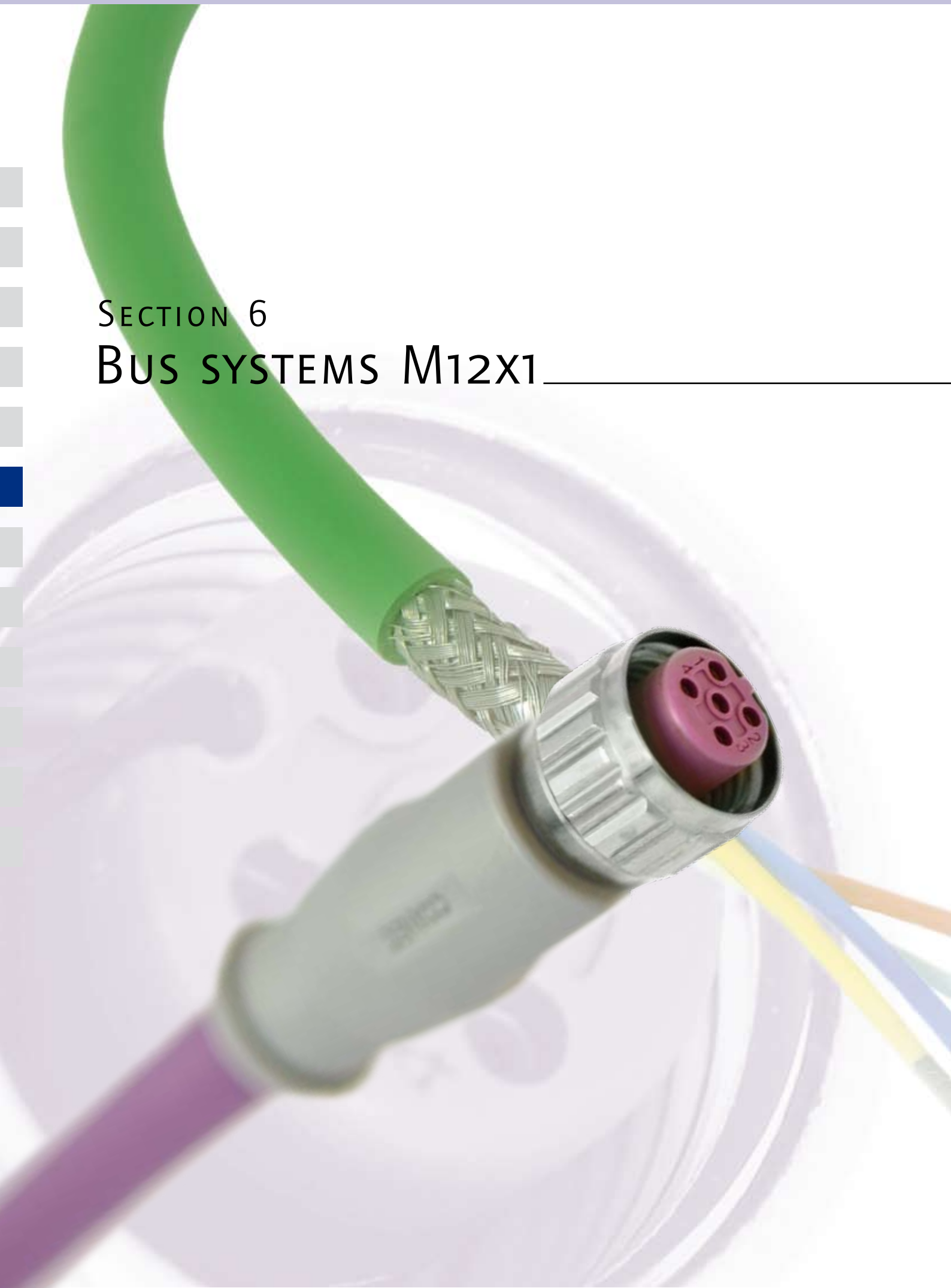
ORDER DATA

Cable	Length/L	Description	5-pos Part-no.
PVC, halogenfree black, LiYY	5m	SAL-FB-12-4FK5-1L-5/A2	43-05000
8x0,34/3x1,0	10m	SAL-FB-12-4FK5-1L-10/A2	43-05001

For custom length or quality levels contact factory.

SECTION 6

BUS SYSTEMS M12X1





Bus technology has advanced over the last few years in industrial automation. The connectors required for data transmission are very bus-specific in their design. To access the very complex world of bus technology, CONEC offers connectors for Profibus DP and Industrial Ethernet.



Profibus is a manufacture-dependent, open field bus system for a variety of applications in manufacturing, processing and building automation.

Industrial Ethernet is the general term for all applications that use the Ethernet standard to network devices used in industrial automation. In industrial applications, networks must operate without interruption under extreme conditions, e.g. electromagnetic interference, very high constant temperatures as well as high mechanical specifications. Industrial Ethernet closes the circle, as it were, and creates a complete infrastructure, which stretches from the office to the machinery or even to the sensor.

For both bus systems, CONEC offers special M12x1 connectors with corresponding coding which meets the guidelines of the PNO (Profibus User Organization) and the IEC 61076-2-101 Ad. 1.

The coding used for these products (B and D coding) prevent in-correct connections using standard M12x1 components.

SAL M12X1 CONNECTORS OVERMOULDED - PROFIBUS DP/INDUSTRIAL ETHERNET 100MHZ

Nomenclature

S	A	L	-	1	2	B	-	R	K	W	4	-	3	/	G	4
SAL Sensor Actor Line																
Installation size 12 = M12x1																
Coding B = B-coding D = D-coding																
Building R = Circular connector																
Configuration K = Female connector S = Male connector																
Building = Axial W = Angled																
Number of poles 4 = 4-pos																
Cable length XX = Length [m]																
Cable quality G4 = TPU, violet, UL, AWG 22 G5 = PVC, violet, UL, AWG 22 G6 = TPU, green, UL, AWG 22 G7 = TPU, violet, draigchain-ready, UL, AWG 24																

SAL M12X1 CONNECTORS OVERMOULDED - PROFIBUS DP/INDUSTRIAL ETHERNET 100MHZ

Technical Data

Basic material	
Contact	CuZn
Contact plating	Nickel-plated, gold-plated
Contact carrier	TPU GF, UL 94
Moulding body	TPU, self-extinguishing
Sealing	only Profibus: FPM
Coupling nut/-screw	CuZn, nickel-plated

Information on the following pages are basing on below mentioned IEC-standards.

Rated voltage	IEC 61076-2-101
Current rating	IEC 61076-2-101
Insulation resistance	IEC 60512-2
Pollution degree	IEC 60664-1
Degree of protection	IEC 60529
Temperature range	IEC 60664-1
Mating cycles	IEC 61076-2-101

Technical subject to change without notice.

SAL M12X1 Y-SPLITTER - PROFIBUS DP

Nomenclature

S A L - 1 2 B - R S 5 - 1 2 - R K 5 - 1 2 - R S 5

SAL
Sensor Actor Line

CONNECTION

Installation size
12 = M12x1

Coding
B = B-coding

Building
R = Circular connector

Configuration
S = Male connector

Number of poles
5 = 5-pos

ALLOCATION

Installation size
12 = M12x1

Building
R = Circular connector

Configuration
K = Female connector

Number of poles
5 = 5-pos

Installation size
12 = M12x1

Building
R = Circular connector

Configuration
S = Male connector

Number of poles
5 = 5-pos

SAL M12X1 Y-SPLITTER - PROFIBUS DP

Technical Data

Basic material	
Contact	Female connector: CuZn / Male connector: CuSn (depending on configuration)
Contact plating	Nickel-plated, gold-plated
Contact carrier	PBT GF, UL 94
Moulding body	Thermoplastic elastomere
Sealing	FPM

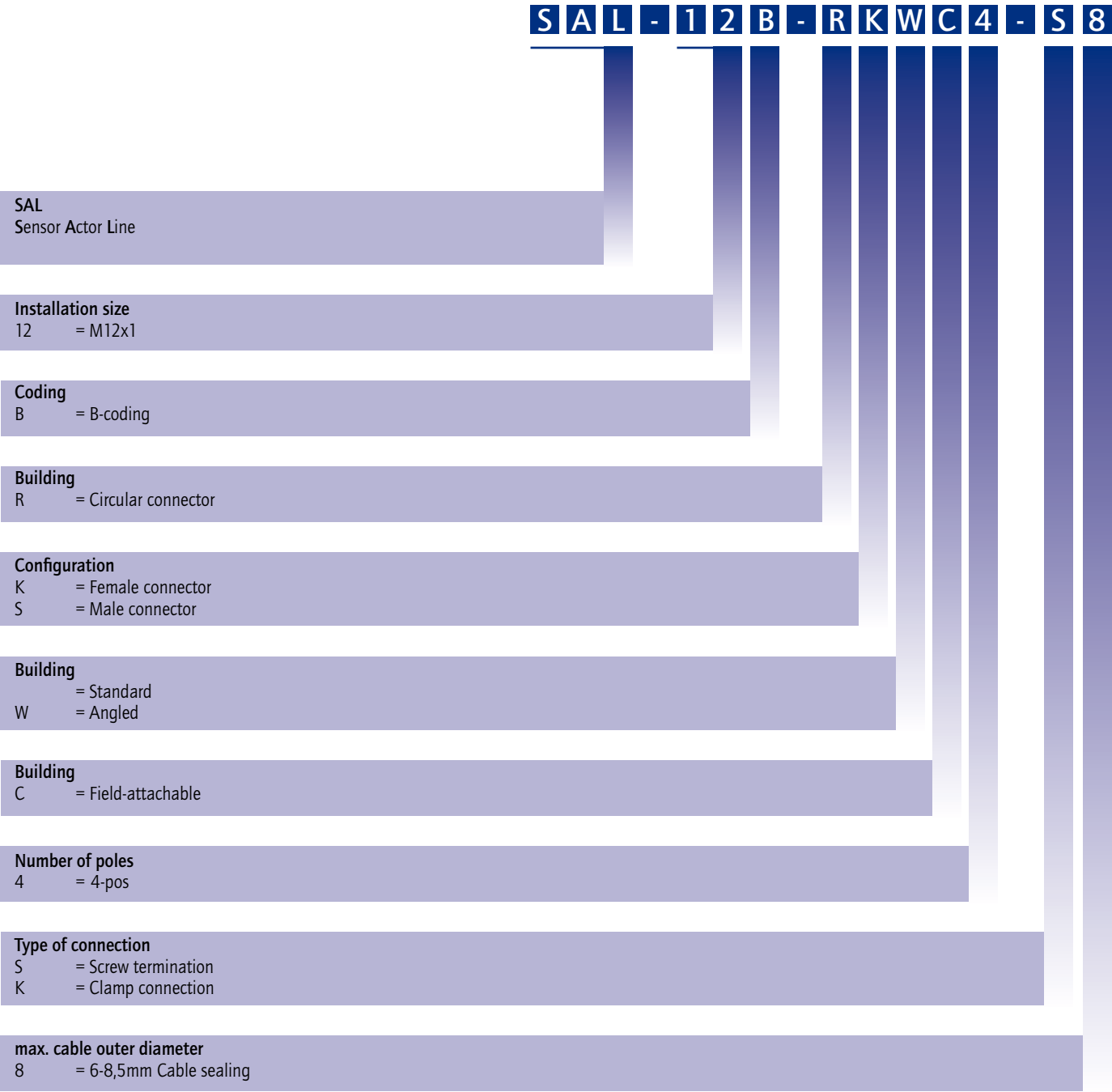
Information on the following pages are basing on below mentioned IEC-standards.

Rated voltage	IEC 61076-2-101
Current rating	IEC 61076-2-101
Insulation resistance	IEC 60512-2
Pollution degree	IEC 60664-1
Degree of protection	IEC 60529
Temperature range	IEC 60664-1
Mating cycles	IEC 61076-2-101

Technical subject to change without notice.

SAL M12X1 CONNECTORS FIELD-ATTACHABLE - PROFIBUS DP

Nomenclature



SAL M12X1 CONNECTORS FIELD-ATTACHABLE - PROFIBUS DP

Technical Data

Basic material	
Contact	CuZn
Contact plating	Nickel-plated, gold-plated
Contact carrier	PA6, UL 94
Housing	Die Cast, nickel-plated
Clamp-/screw contact	Stainless steel, nickel-plated
Cable sealing	Elastomere
O-Ring	FPM
Coupling nut/-screw	Die Cast, nickel-plated
Information on the following pages are basing on below mentioned IEC-standards.	
Rated voltage	IEC 61076-2-101
Current rating	IEC 61076-2-101
Insulation resistance	IEC 60512-2
Pollution degree	IEC 60664-1
Degree of protection	IEC 60529
Temperature range	IEC 60664-1
Mating cycles	IEC 61076-2-101

Technical subject to change without notice.

SAL M12X1 SOCKETS - PROFIBUS DP / INDUSTRIAL ETHERNET 100MHz

Nomenclature

[illegible]

SAL M12X1 SOCKETS - PROFIBUS DP / INDUSTRIAL ETHERNET 100MHZ

Technical Data

Basic material	
Contact	CuZn
Contact plating	Nickel-plated, gold-plated
Contact carrier	PBT GF, UL 94 / PA GF, UL 94
Sealing	FPM
Counter nut	CuZn, nickel-plated
Socket housing	CuZn, nickel-plated
Grouting	Polyurethane-resin, UL 94
Shroud	CuSnG
Shroud plated	Sn plated

Information on the following pages are basing on below mentioned IEC-standards.

Rated voltage	IEC 61076-2-101
Current rating	IEC 61076-2-101
Insulation resistance	IEC 60512-2
Pollution degree	IEC 60664-1
Degree of protection	IEC 60529
Temperature range	IEC 60664-1
Mating cycles	IEC 61076-2-101

Technical subject to change without notice.

SAL SUB D

Nomenclature

S A L - S D - S K S W 9 F

SAL	Sensor Actor Line
Installation size	
SD	= SUB-D
Building	
S	= Spezific
Building	
	= without programming interface
K	= with programming interface
Configuration	
S	= Male connector
Building	
	= Axial
W	= Angled
Number of poles	
9	= 9-pos
Cable-connection	
	= Quick connection IDC, inflexible conductor
F	= Quick connection IDC, flexible conductor
S	= Screw termination

SAL SUB D

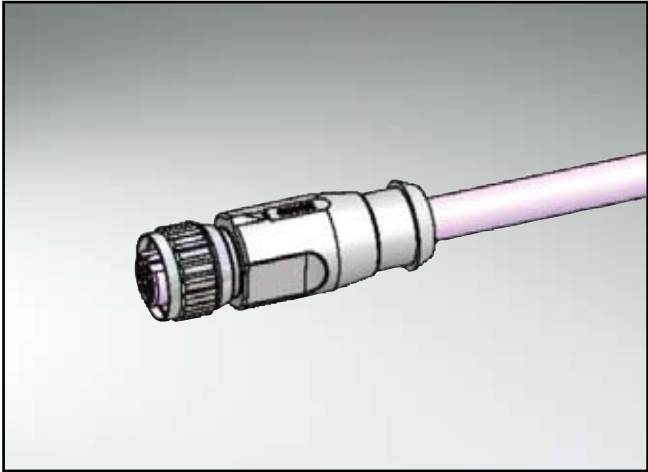
Technical Data

Basic material	
Contact SUB D	CuZn
Contact plating SUB D	Nickel-plated, gold-plated
IDC-Contact	CuSn
Housing	Thermoplastic chrome-plated
Information on the following pages are basing on below mentioned IEC-standards.	
Degree of protection	IEC 60529
Temperature range	IEC 60664-1

Technical subject to change without notice.

SAL M12X1 CONNECTORS - B-CODING PROFIBUS DP

Female connector, axial with 360°-shielding

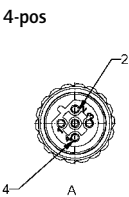


TECHNICAL DATA

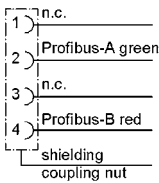
Rated voltage	4-pos 160V
Current rating	4A at +40°C
Pollution degree	3/2
Insulation resistance	= 10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	G4: -30°C to +70°C G5/G7: -30°C to +80°C
Mating cycles	<=100

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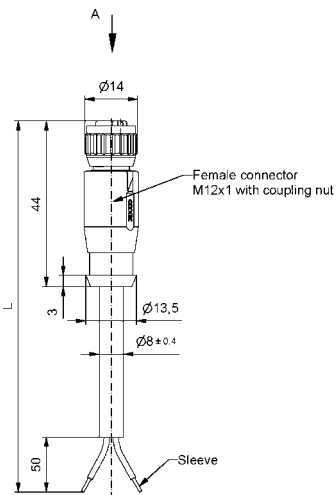
PIN CONFIGURATION



CONTACT ASSIGNMENT 4-POS



DIMENSION DRAWING



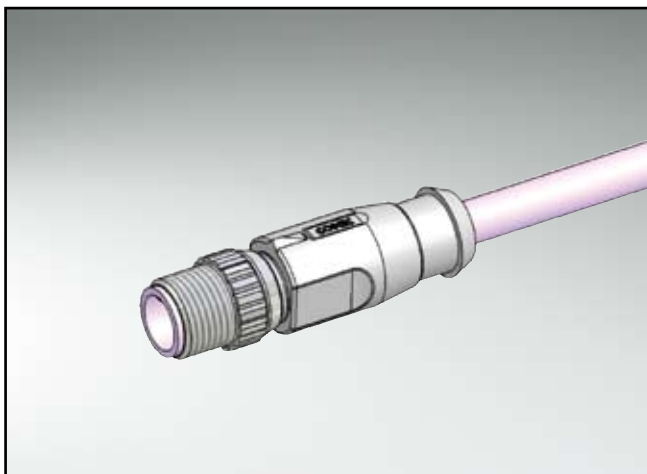
ORDER DATA

Cable	Length/L	Description	4-pos Part-no.
PVC, UL violet (RAL 4001) 2xAWG 22	2m	SAL-12B-RK4.1-2/G5	43-11601
	3m	SAL-12B-RK4.1-3/G5	43-11602
	5m	SAL-12B-RK4.1-5/G5	43-11603
	10m	SAL-12B-RK4.1-10/G5	43-11604
TPU, UL violet (RAL 4001) 2xAWG 22	2m	SAL-12B-RK4.1-2/G4	43-10932
	3m	SAL-12B-RK4.1-3/G4	43-10933
	5m	SAL-12B-RK4.1-5/G4	43-10934
	10m	SAL-12B-RK4.1-10/G4	43-10935
TPU, UL high flexible, halogenfree, violet (RAL 4001) 2xAWG 24	2m	SAL-12B-RK4.1-2/G7	43-11605
	3m	SAL-12B-RK4.1-3/G7	43-11606
	5m	SAL-12B-RK4.1-5/G7	43-11607
	10m	SAL-12B-RK4.1-10/G7	43-11608

For custom length or quality levels contact factory.

SAL M12X1 CONNECTORS - B-CODING PROFIBUS DP

Male connector, axial with 360°-shielding



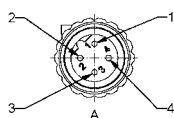
TECHNICAL DATA

Rated voltage	4-pos 160V
Current rating	4A at +40°C
Pollution degree	3/2
Insulation resistance	= 10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	G4: -30°C to +70°C G5/G7: -30°C to +80°C
Mating cycles	<=100

Directive 2002 95 EC
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Compliant

PIN CONFIGURATION

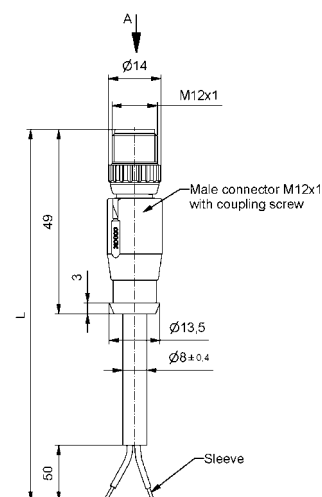
4-pos



CONTACT ASSIGNMENT 4-POS

n.c.	1
Profibus-A green	2
n.c.	3
Profibus-B red	4
shielding coupling screw	

DIMENSION DRAWING



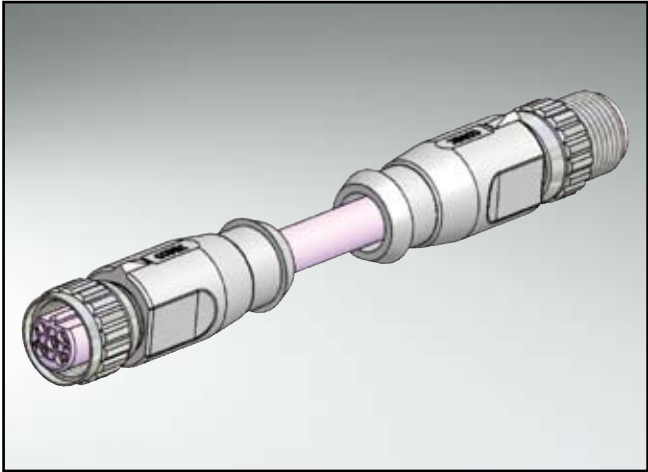
ORDER DATA

Cable	Length/L	Description	4-pos Part-no.
PVC, UL violet (RAL 4001) 2xAWG 22	2m	SAL-12B-RS4.1-2/G5	43-11609
	3m	SAL-12B-RS4.1-3/G5	43-11610
	5m	SAL-12B-RS4.1-5/G5	43-11611
	10m	SAL-12B-RS4.1-10/G5	43-11612
TPU, UL violet (RAL 4001) 2xAWG 22	2m	SAL-12B-RS4.1-2/G4	43-10936
	3m	SAL-12B-RS4.1-3/G4	43-10937
	5m	SAL-12B-RS4.1-5/G4	43-10938
	10m	SAL-12B-RS4.1-10/G4	43-10939
TPU, UL high flexible, halogenfree, violet (RAL 4001) 2xAWG 24	2m	SAL-12B-RS4.1-2/G7	43-11613
	3m	SAL-12B-RS4.1-3/G7	43-11614
	5m	SAL-12B-RS4.1-5/G7	43-11615
	10m	SAL-12B-RS4.1-10/G7	43-11616

For custom length or quality levels contact factory.

SAL M12X1 CONNECTORS - B-CODING PROFIBUS DP

Connecting cable with 360°-shielding
Female connector, axial – Male connector, axial



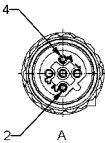
TECHNICAL DATA

Rated voltage	4-pos 160V
Current rating	4A at +40°C
Pollution degree	3/2
Insulation resistance	= 10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	G4: -30°C to +70°C G5/G7: -30°C to +80°C
Mating cycles	<=100

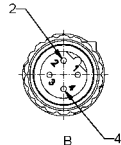
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"RoHS"
Compliant

PIN CONFIGURATION

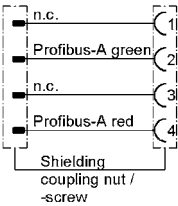
4-pos female



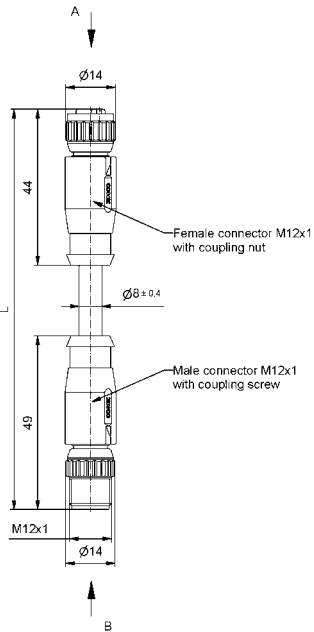
4-pos male



CONTACT ASSIGNMENT 4-POS



DIMENSION DRAWING



ORDER DATA

Cable	Length/L	Description	4-pos Part-no.
PVC, UL violet (RAL 4001) 2xAWG 22	0,3m	SAL-12B-RK4.1-RS4.1-0,3/G5	43-11617
	0,6m	SAL-12B-RK4.1-RS4.1-0,6/G5	43-11618
	1,5m	SAL-12B-RK4.1-RS4.1-1,5/G5	43-11619
	3,0m	SAL-12B-RK4.1-RS4.1-3/G5	43-11620
TPU, UL violet (RAL 4001) 2xAWG 22	0,3m	SAL-12B-RK4.1-RS4.1-0,3/G4	43-10940
	0,6m	SAL-12B-RK4.1-RS4.1-0,6/G4	43-10941
	1,5m	SAL-12B-RK4.1-RS4.1-1,5/G4	43-10942
	3,0m	SAL-12B-RK4.1-RS4.1-3/G4	43-10943
TPU, UL high flexible, halogenfree, violet (RAL 4001) 2xAWG 24	0,3m	SAL-12B-RK4.1-RS4.1-0,3/G7	43-11228
	0,6m	SAL-12B-RK4.1-RS4.1-0,6/G7	43-11621
	1,5m	SAL-12B-RK4.1-RS4.1-1,5/G7	43-11622
	3,0m	SAL-12B-RK4.1-RS4.1-3/G7	43-11623

For custom length or quality levels contact factory.

SAL Y-SPLITTER PROFIBUS DP

Male connector M12x1 – Female connector M12x1 – Male connector M12x1



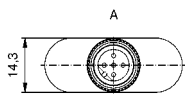
TECHNICAL DATA

Rated voltage	$\frac{4\text{-pos}}{60\text{V}}$
Current rating	4A at +40°C
Pollution degree	3/2
Insulation resistance	$= 10^9 \Omega$
Degree of protection	IP65 in mated condition
Temperature range	-30°C to +85°C
Mating cycles	≤ 100

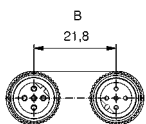
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Compliant

PIN CONFIGURATION

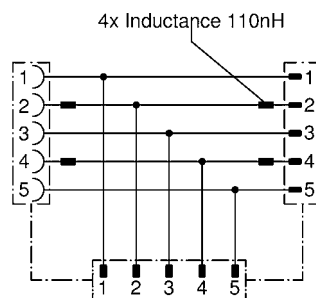
4-pos male



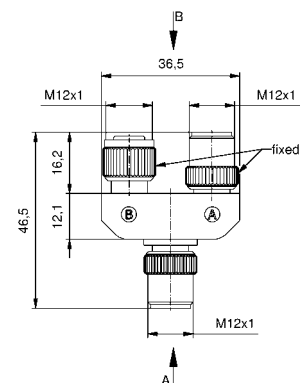
4-pos female/male



CONTACT ASSIGNMENT 4-POS



DIMENSION DRAWING

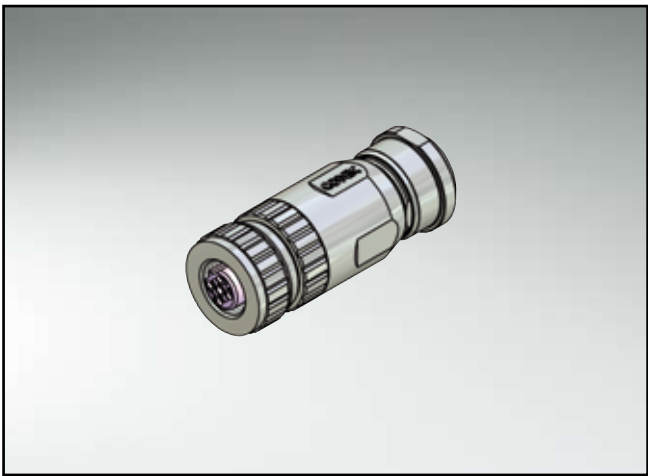


ORDER DATA

Description	4-pos Part-no.
SAL-12B-RS5-RK5-RS5	43-11210

SAL M12X1 CONNECTORS - B-CODING PROFIBUS DP

Female connector, axial, field-attachable, 360°-shielding, with clamp connection



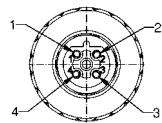
TECHNICAL DATA

Rated voltage	4-pos 250V
Current rating	4A at +40°C
Pollution degree	3/2
Insulation resistance	= 10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	-30°C to +85°C
Mating cycles	<=100

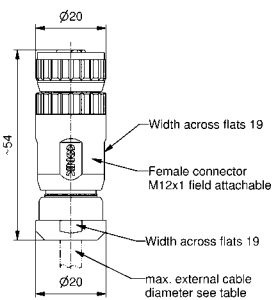
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

4-pos



DIMENSION DRAWING

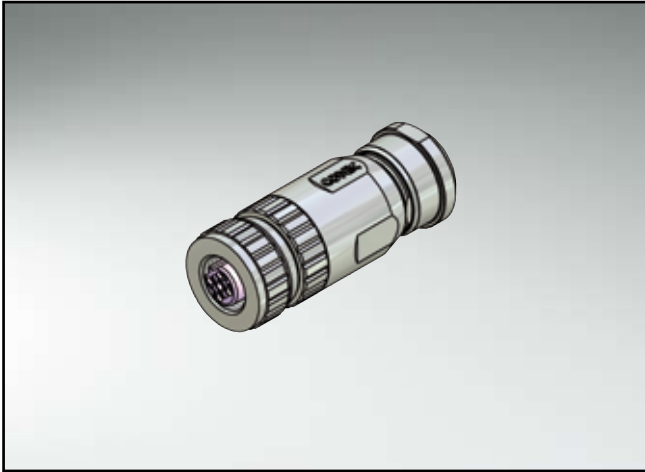


ORDER DATA

Cable outer diameter	Description	4-pos Part-no.
max. Ø6-8,5mm	SAL-12B-RKC4-K8	43-00073

SAL M12X1 CONNECTORS - B-CODING PROFIBUS DP

Female connector, axial, field-attachable, 360°-shielding, with screw termination



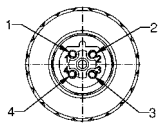
TECHNICAL DATA

Rated voltage	4-pos 250V
Current rating	4A at +40°C
Pollution degree	3/2
Insulation resistance	= 10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	-30°C to +85°C
Mating cycles	<=100

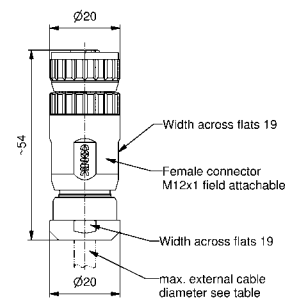
Directive 2002/95/EC
"RoHS"
Compliant

PIN CONFIGURATION

4-pos



DIMENSION DRAWING

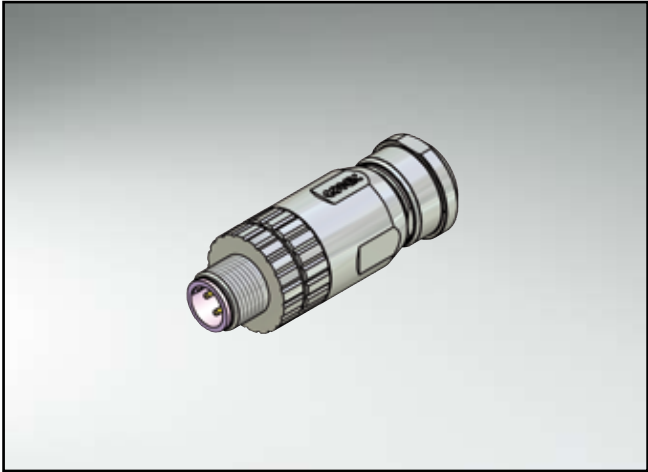


ORDER DATA

Cable outer diameter	Description	4-pos Part-no.
max. Ø6-8,5mm	SAL-12B-RKC4-S8	43-00075

SAL M12X1 CONNECTORS - B-CODING PROFIBUS DP

Male connector, axial, field-attachable, 360°-shielding, with clamp connection



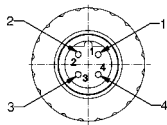
TECHNICAL DATA

Rated voltage	4-pos 250V
Current rating	4A at +40°C
Pollution degree	3/2
Insulation resistance	= 10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	-30°C to +85°C
Mating cycles	<=100

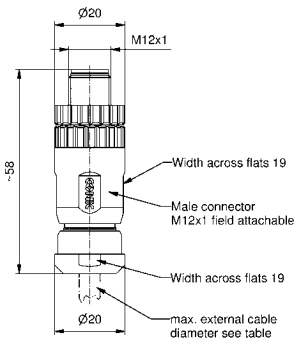
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

4-pos



DIMENSION DRAWING

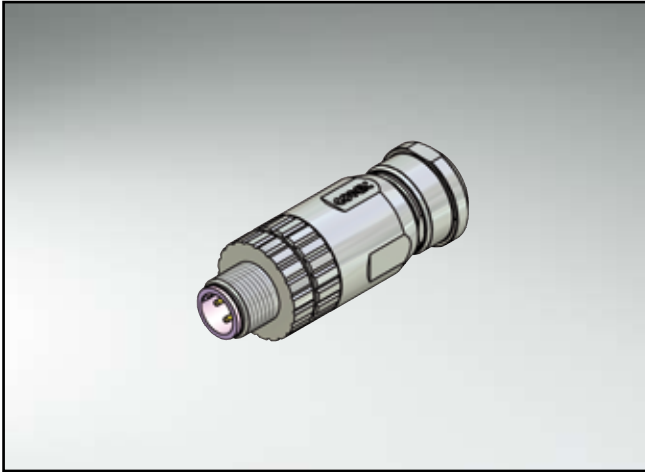


ORDER DATA

Cable outer diameter	Description	4-pos Part-no.
max. Ø6-8,5mm	SAL-12B-RSC4-K8	43-00077

SAL M12X1 CONNECTORS - B-CODING PROFIBUS DP

Male connector, axial, field-attachable, 360°-shielding, with screw termination



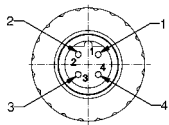
TECHNICAL DATA

Rated voltage	4-pos 250V
Current rating	4A at +40°C
Pollution degree	3/2
Insulation resistance	= 10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	-30°C to +85°C
Mating cycles	<=100

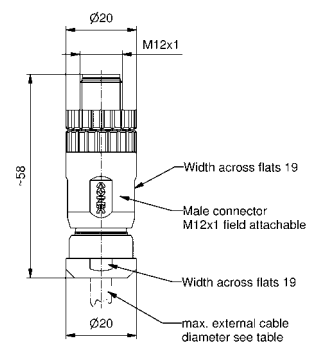
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Compliant

PIN CONFIGURATION

4-pos



DIMENSION DRAWING

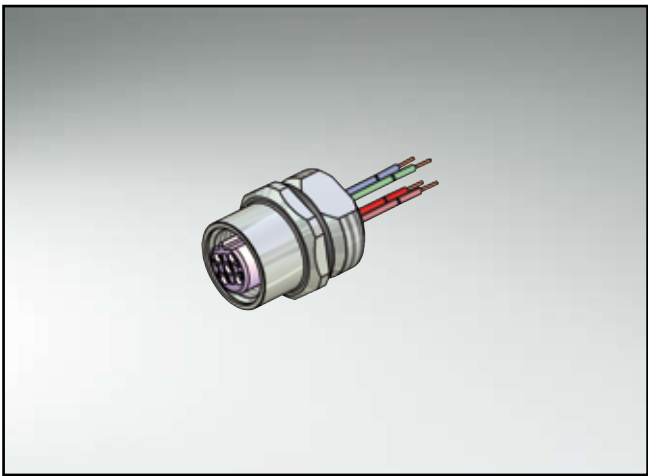


ORDER DATA

Cable outer diameter	Description	4-pos Part-no.
max. Ø6-8,5mm	SAL-12B-RSC4-S8	43-00079

SAL M12X1 CONNECTORS - B-CODING PROFIBUS DP

Female socket with wire, frontmounting, M16x1,5-thread

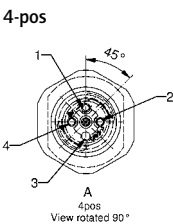


TECHNICAL DATA

Rated voltage	4-pos 250V
Current rating	4A at +40°C
Pollution degree	3/2
Insulation resistance	= 10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	-30°C to +70°C
Mating cycles	<=100

Directive 2002 95 EC
 „RoHS“
 Compliant

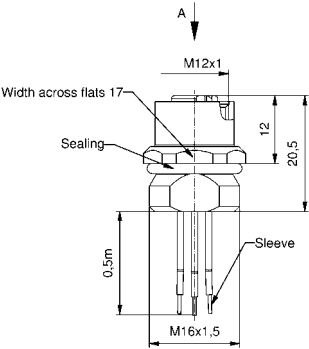
PIN CONFIGURATION



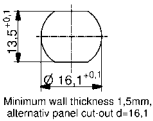
CONTACT ASSIGNMENT 4-POS

brown	1
Profibus-A green	2
blue	3
Profibus-B red	4

DIMENSION DRAWING



CUT-OUT FRONT PANEL

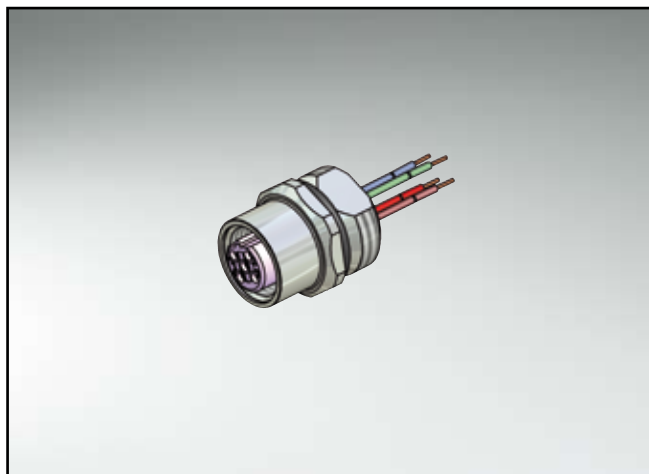


ORDER DATA

wire	Length/L	Description	4-pos Part-no.
PVC, UL AWG 22	0,5m	SAL-12B-FK4.3-0,5	43-01042
Accessories Please order separately		Counter nut	43-01155

SAL M12X1 CONNECTORS - B-CODING PROFIBUS DP

Female socket with wire, frontmounting, PG9-thread



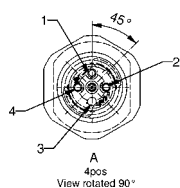
TECHNICAL DATA

Rated voltage	4-pos 250V
Current rating	4A at +40°C
Pollution degree	3/2
Insulation resistance	= 10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	-30°C to +70°C
Mating cycles	<=100

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"RoHS"
Compliant

PIN CONFIGURATION

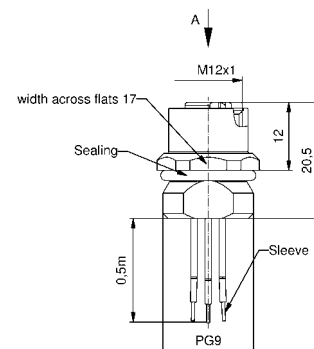
4-pos



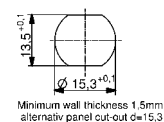
CONTACT ASSIGNMENT 4-POS

brown	1
Profibus-A green	2
blue	3
Profibus-B red	4

DIMENSION DRAWING



CUT-OUT FRONT PANEL

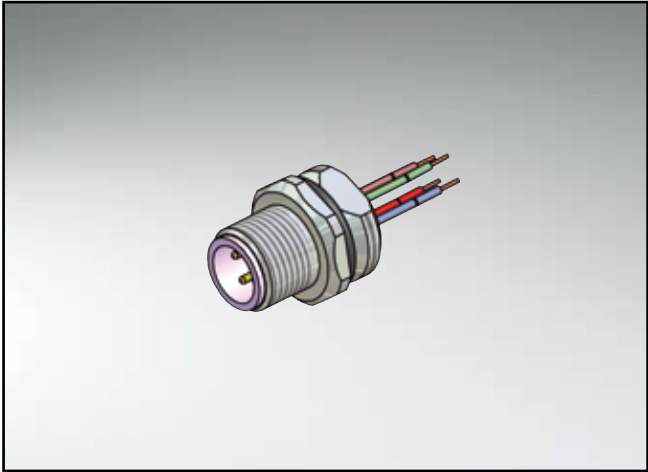


ORDER DATA

wire	Length/L	Description	4-pos Part-no.
PVC, UL AWG 22	0,5m	SAL-12B-FK4.3-0,5-9	43-01109
Accessories Please order separately		Counter nut	43-01156

SAL M12X1 CONNECTORS - B-CODING PROFIBUS DP

Male socket with wire, frontmounting, M16x1,5-thread



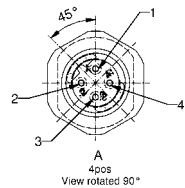
TECHNICAL DATA

Rated voltage	4-pos 250V
Current rating	4A at +40°C
Pollution degree	3/2
Insulation resistance	= 10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	-30°C to +70°C
Mating cycles	<=100

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PIN CONFIGURATION

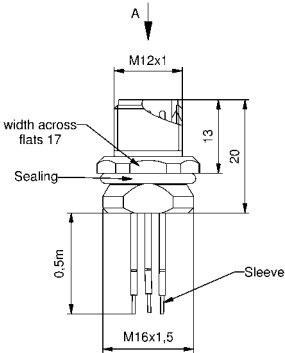
4-pos



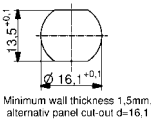
CONTACT ASSIGNMENT 4-POS

brown	1
Profibus A green	2
blue	3
Profibus A red	4

DIMENSION DRAWING



CUT-OUT FRONT PANEL

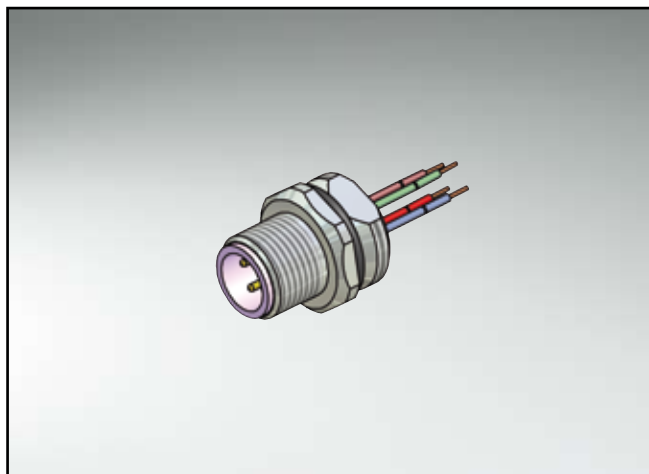


ORDER DATA

wire	Length/L	Description	4-pos Part-no.
PVC, UL AWG 22	0,5m	SAL-12B-FS4.3-0,5	43-01043
Accessories Please order separately		Counter nut	43-01155

SAL M12X1 CONNECTORS - B-CODING PROFIBUS DP

Male socket with wire, frontmounting, PG9-thread



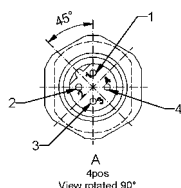
TECHNICAL DATA

Rated voltage	4-pos 250V
Current rating	4A at +40°C
Pollution degree	3/2
Insulation resistance	= 10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	-30°C to +70°C
Mating cycles	<=100

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PIN CONFIGURATION

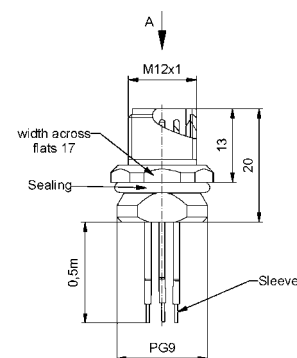
4-pos



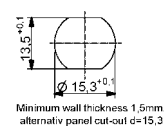
CONTACT ASSIGNMENT 4-POS

brown	1
Profibus A green	2
blue	3
Profibus A red	4

DIMENSION DRAWING



CUT-OUT FRONT PANEL

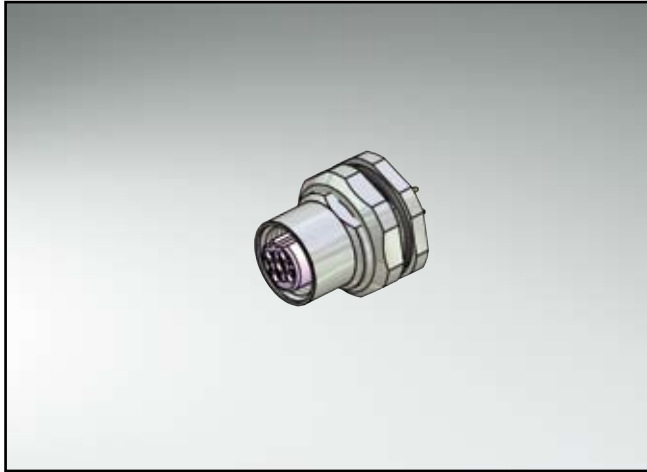


ORDER DATA

wire	Length/L	Description	4-pos Part-no.
PVC, UL AWG 22	0,5m	SAL-12B-FS4.3-0,5-9	43-01110
Accessories Please order separately		Counter nut	43-01156

SAL M12X1 CONNECTORS - B-CODING PROFIBUS DP

Female socket dip-solder, backmounting, PG9-thread



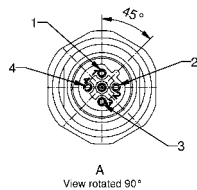
TECHNICAL DATA

Rated voltage	4-pos 250V
Current rating	4A at +40°C
Pollution degree	3/2
Insulation resistance	= 10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	-30°C to +85°C
Mating cycles	<=100

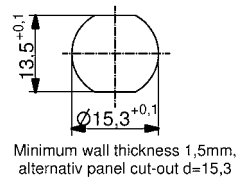
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

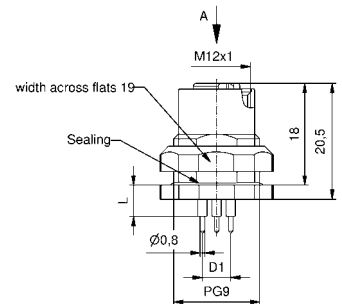
4-pos



CUT-OUT FRONT PANEL



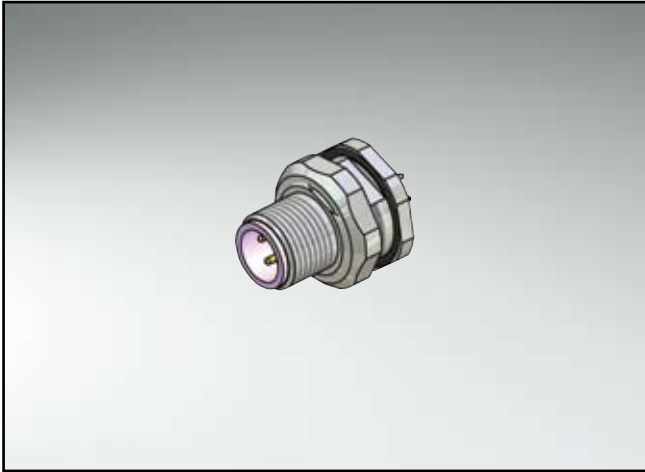
DIMENSION DRAWING



ORDER DATA

Length/L contacts	Description	4-pos Part-no.
5,5mm	SAL-12B-FKH4-P5,5-9	43-01249
12mm	SAL-12B-FKH4-P12-9	43-01250

Male socket dip-solder, backmounting, M16x1,5-thread



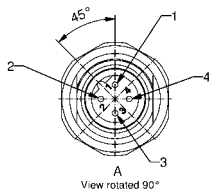
TECHNICAL DATA

Rated voltage	$\frac{4\text{-pos}}{250\text{V}}$
Current rating	4A at +40°C
Pollution degree	3/2
Insulation resistance	$=10^9\Omega$
Degree of protection	IP67 in mated condition
Temperature range	-30°C to +85°C
Mating cycles	≤ 100

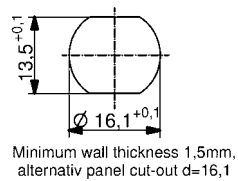
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

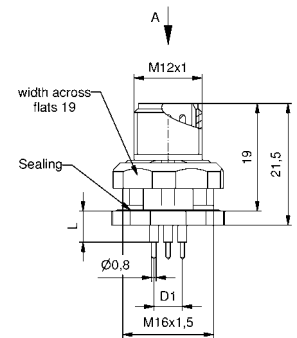
4-pos



CUT-OUT FRONT PANEL



DIMENSION DRAWING

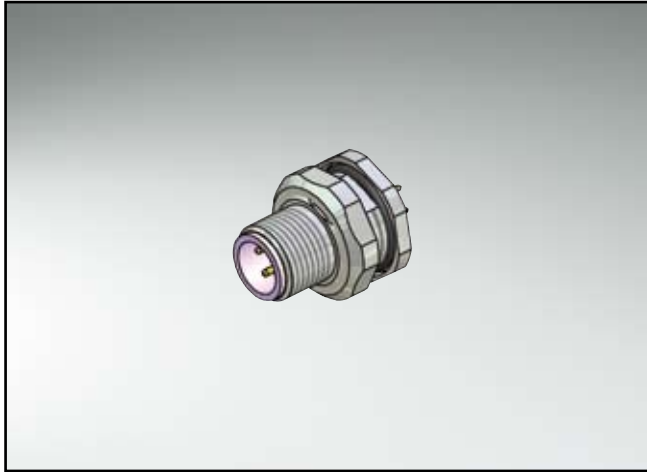


ORDER DATA

Length/L contacts	Description	4-pos Part-no.
5,5mm	SAL-12B-FSH4-P5,5	43-01125
12mm	SAL-12B-FSH4-P12	43-01126

SAL M12X1 CONNECTORS - B-CODING PROFIBUS DP

Male socket dip-solder, backmounting, PG9-thread



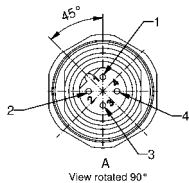
TECHNICAL DATA

Rated voltage	4-pos 250V
Current rating	4A at +40°C
Pollution degree	3/2
Insulation resistance	= 10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	-30°C to +85°C
Mating cycles	<=100

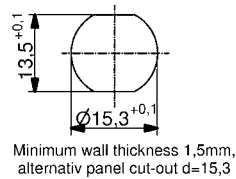
Directive 2002/95/EC
"RoHS"
Compliant

PIN CONFIGURATION

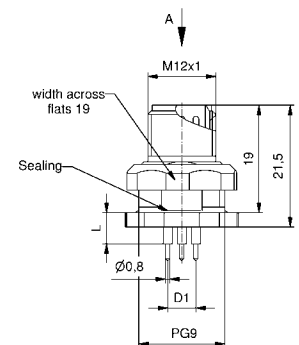
4-pos



CUT-OUT FRONT PANEL



DIMENSION DRAWING

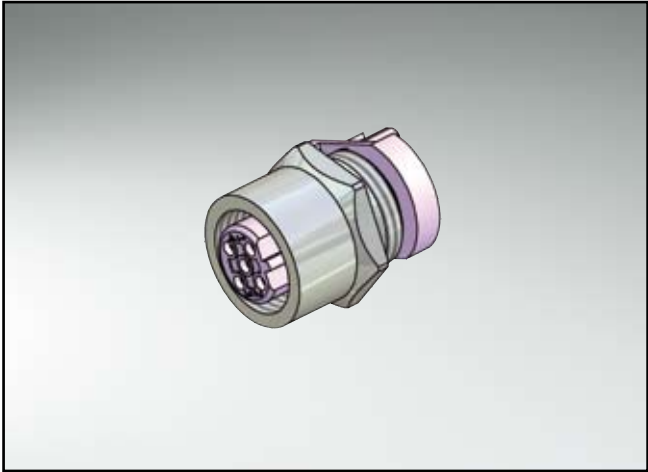


ORDER DATA

Length/L contacts	Description	4-pos Part-no.
5,5mm	SAL-12B-FSH4-P5,5-9	43-01251
12mm	SAL-12B-FSH4-P12-9	43-01252

SAL M12X1 CONNECTORS - B-CODING PROFIBUS DP

Female socket dip-solder, frontmounting, axial, with shroud, installation height 5,5mm



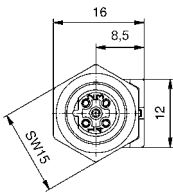
TECHNICAL DATA

Rated voltage	4-pos 250V
Current rating	4A at +40°C
Pollution degree	3/2
Insulation resistance	= 10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	-30°C to +85°C
Mating cycles	<=100

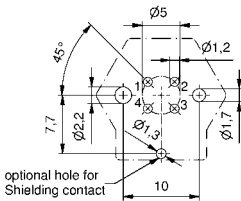
Directive 2002 95 EC
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 Compliant

PIN CONFIGURATION

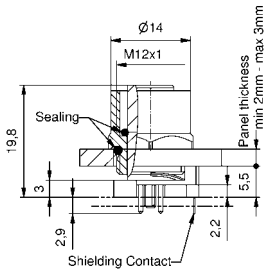
4-pos



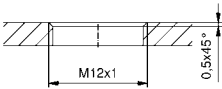
HOLE PATTERN PRINTING BOARD



DIMENSION DRAWING



SCREW-IN THREAD

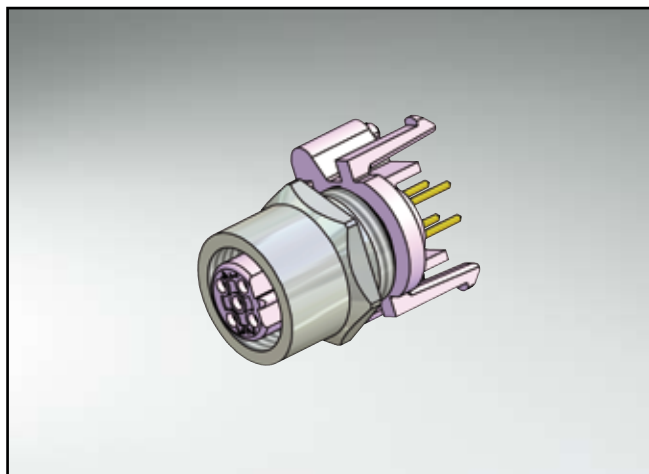


ORDER DATA

Length/L contacts	Description	4-pos Part-no.
5,5mm	SAL-12B-FK4-X5,5	43-01216

SAL M12X1 CONNECTORS - B-CODING PROFIBUS DP

Female socket dip-solder, frontmounting, axial, with shroud, installation height 10mm



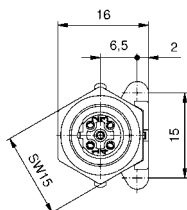
TECHNICAL DATA

Rated voltage	4-pos 250V
Current rating	4A at +40°C
Pollution degree	3/2
Insulation resistance	= 10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	-30°C to +85°C
Mating cycles	<=100

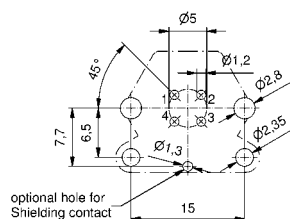
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

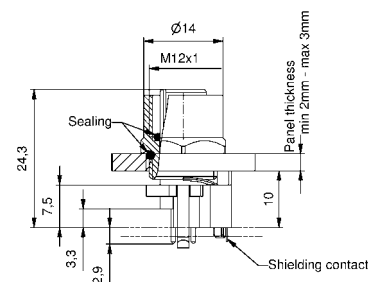
4-pos



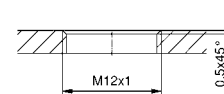
HOLE PATTERN PRINTING BOARD



DIMENSION DRAWING



SCREW-IN THREAD

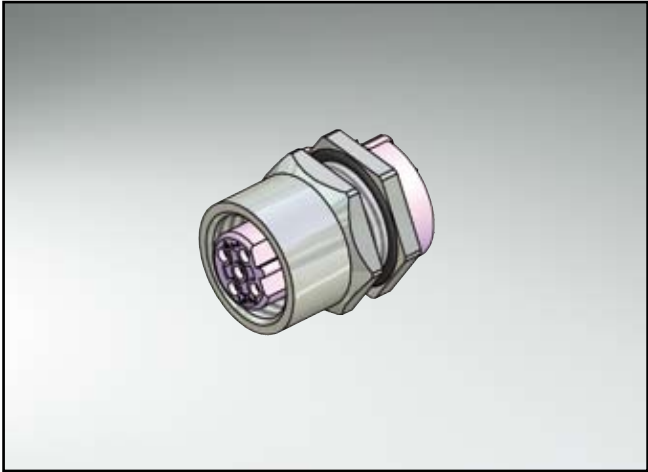


ORDER DATA

Length/L contacts	Description	4-pos Part-no.
10mm	SAL-12B-FK4-X10	43-01212

SAL M12X1 CONNECTORS - B-CODING PROFIBUS DP

Female socket dip-solder, backmounting, axial, with shroud, installation height 5,5mm



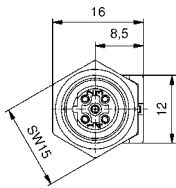
TECHNICAL DATA

Rated voltage	4-pos 250V
Current rating	4A at +40°C
Pollution degree	3/2
Insulation resistance	= 10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	-30°C to +85°C
Mating cycles	<=100

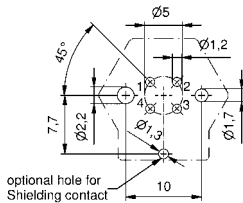
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

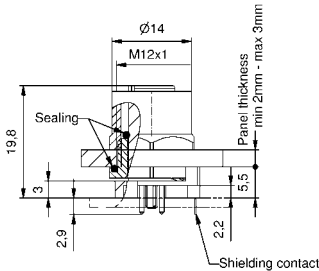
4-pos



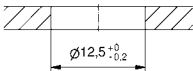
HOLE PATTERN PRINTING BOARD



DIMENSION DRAWING



FEEDTHROUGH

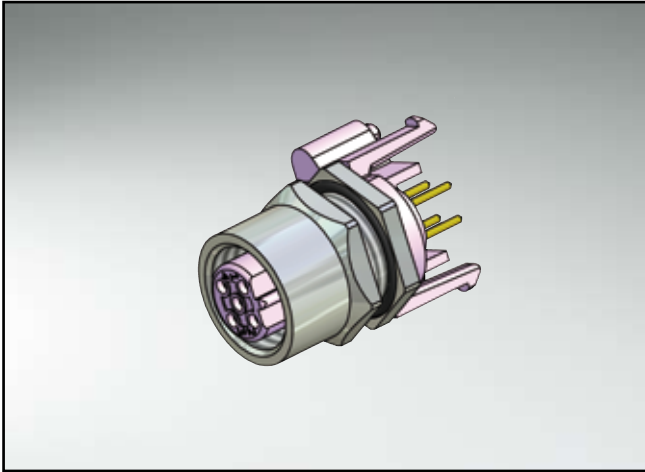


ORDER DATA

Length/L contacts	Description	4-pos Part-no.
5,5mm	SAL-12B-FKH4-X5,5	43-01217

SAL M12X1 CONNECTORS - B-CODING PROFIBUS DP

Female socket dip-solder, backmounting, axial, with shroud, installation height 10mm



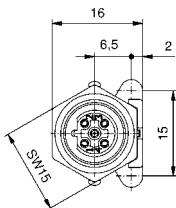
TECHNICAL DATA

Rated voltage	4-pos 250V
Current rating	4A at +40°C
Pollution degree	3/2
Insulation resistance	= 10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	-30°C to +85°C
Mating cycles	<=100

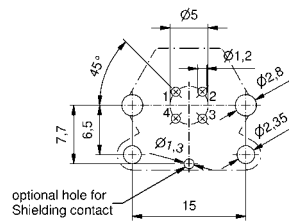
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

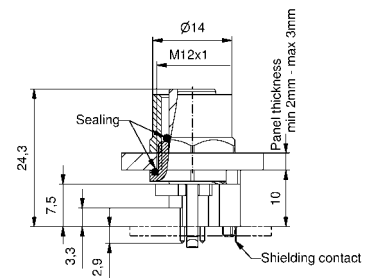
4-pos



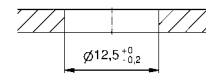
HOLE PATTERN PRINTING BOARD



DIMENSION DRAWING



FEEDTHROUGH

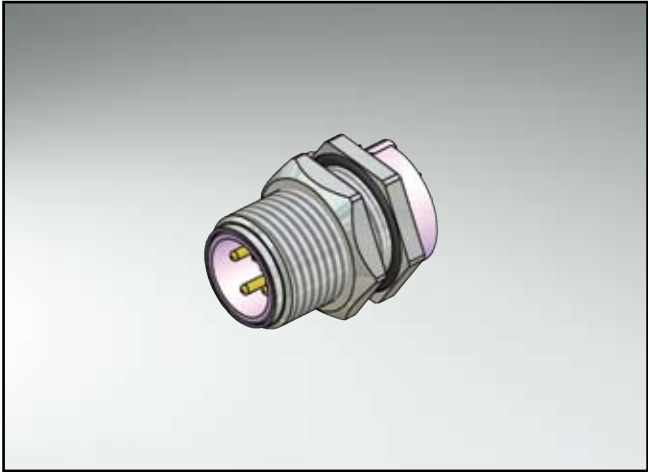


ORDER DATA

Length/L contacts	Description	4-pos Part-no.
10mm	SAL-12B-FKH4-X10	43-01213

SAL M12X1 CONNECTORS - B-CODING PROFIBUS DP

Male socket dip-solder, backmounting, axial, with shroud, installation height 5,5mm



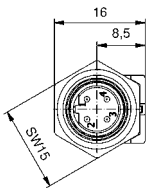
TECHNICAL DATA

Rated voltage	4-pos 250V
Current rating	4A at +40°C
Pollution degree	3/2
Insulation resistance	= 10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	-30°C to +85°C
Mating cycles	<=100

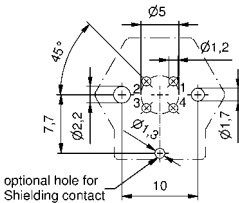
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

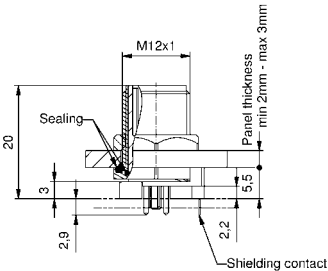
4-pos



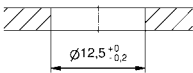
HOLE PATTERN PRINTING BOARD



DIMENSION DRAWING



FEEDTHROUGH

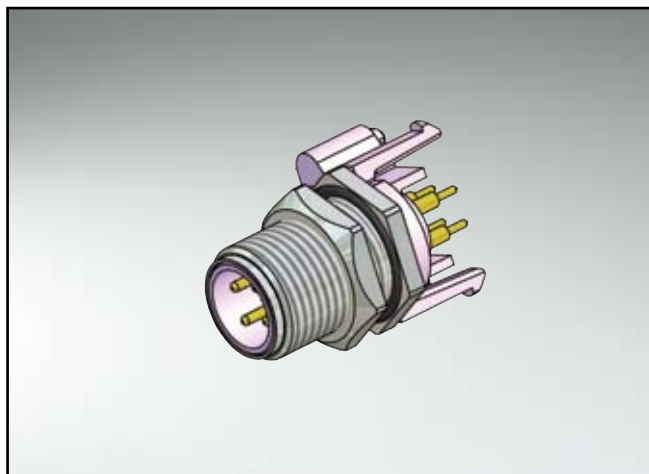


ORDER DATA

Length/L contacts	Description	4-pos Part-no.
5,5mm	SAL-12B-FSH4-X5,5	43-01219

SAL M12X1 CONNECTORS - B-CODING PROFIBUS DP

Male socket dip-solder, backmounting, axial, with shroud, installation height 10mm



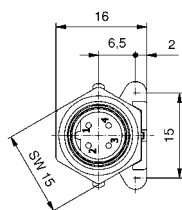
TECHNICAL DATA

Rated voltage	4-pos 250V
Current rating	4A at +40°C
Pollution degree	3/2
Insulation resistance	= 10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	-30°C to +85°C
Mating cycles	<=100

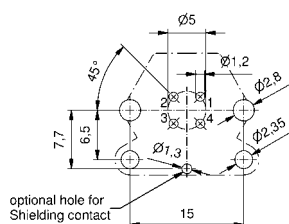
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

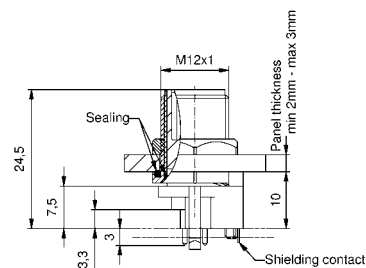
4-pos



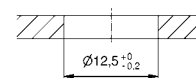
HOLE PATTERN PRINTING BOARD



DIMENSION DRAWING



FEEDTHROUGH

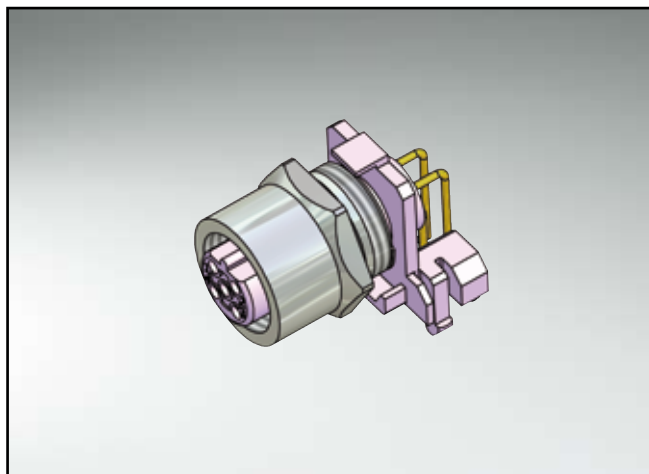


ORDER DATA

Length/L contacts	Description	4-pos Part-no.
10mm	SAL-12B-FSH4-X10	43-01215

SAL M12X1 CONNECTORS - B-CODING PROFIBUS DP

Female socket dip-solder, frontmounting, angled, with shroud



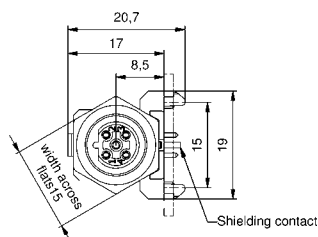
TECHNICAL DATA

Rated voltage	$\frac{4\text{-pos}}{250\text{V}}$
Current rating	4A at +40°C
Pollution degree	3/2
Insulation resistance	= 10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	-30°C to +85°C
Mating cycles	<=100

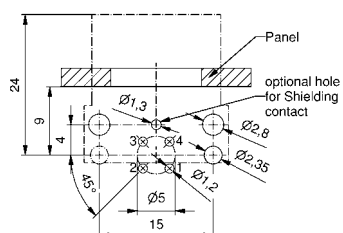
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

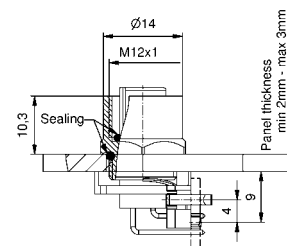
4-pos



HOLE PATTERN PRINTING BOARD



DIMENSION DRAWING



SCREW-IN THREAD

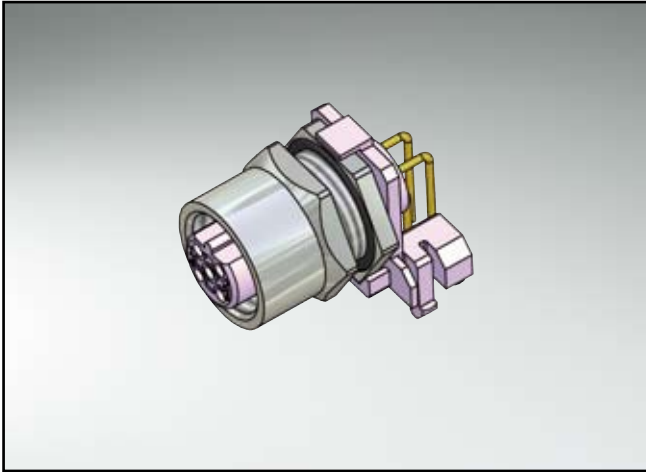


ORDER DATA

Description	4-pos Part-no.
SAL-12B-FKW4	43-01224

SAL M12X1 CONNECTORS - B-CODING PROFIBUS DP

Female socket dip-solder, backmounting, angled, with shroud



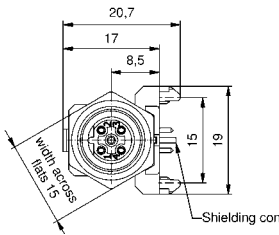
TECHNICAL DATA

Rated voltage	4-pos 250V
Current rating	4A at +40°C
Pollution degree	3/2
Insulation resistance	= 10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	-30°C to +85°C
Mating cycles	<=100

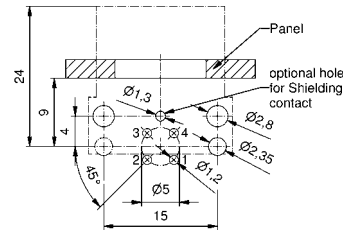
Directive 2002 95 EC
 „RoHS“
 Compliant

PIN CONFIGURATION

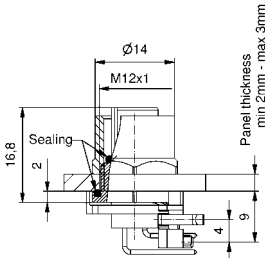
4-pos



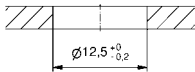
HOLE PATTERN PRINTING BOARD



DIMENSION DRAWING



FEEDTHROUGH

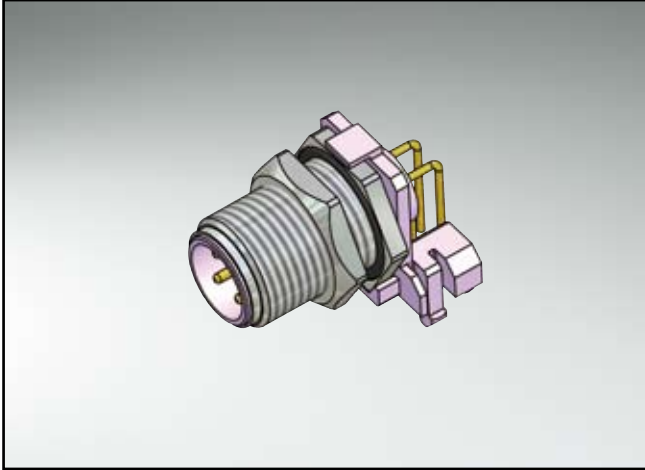


ORDER DATA

Description	4-pos Part-no.
SAL-12B-FKHW4	43-01225

SAL M12X1 CONNECTORS - B-CODING PROFIBUS DP

Male socket dip-solder, backmounting, angled, with shroud



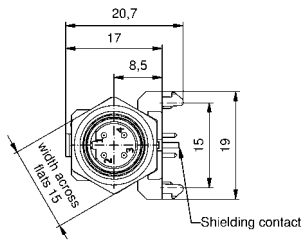
TECHNICAL DATA

Rated voltage	4-pos 250V
Current rating	4A at +40°C
Pollution degree	3/2
Insulation resistance	= 10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	-30°C to +85°C
Mating cycles	<=100

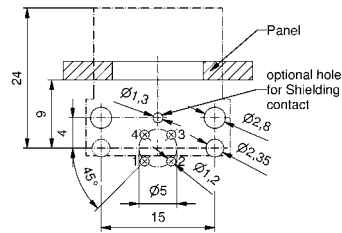
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

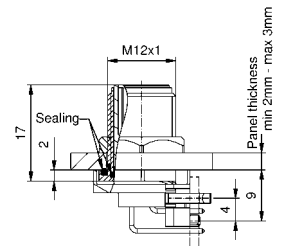
4-pos



HOLE PATTERN PRINTING BOARD



DIMENSION DRAWING



FEEDTHROUGH

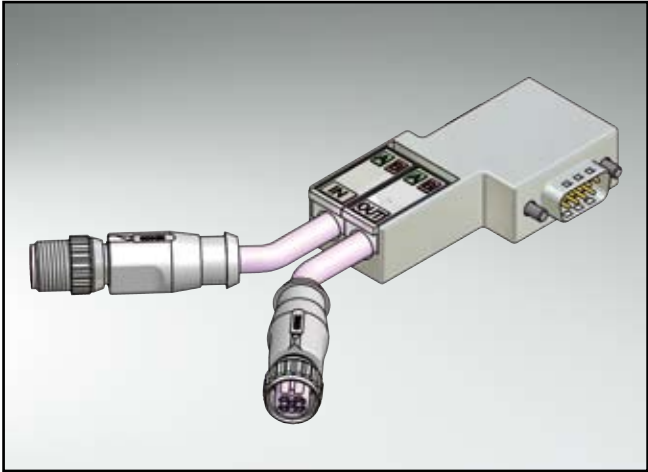


ORDER DATA

Description	4-pos Part-no.
SAL-12B-FSHW4	43-01227

SAL CONNECTORS SUB-D AUF M12X1

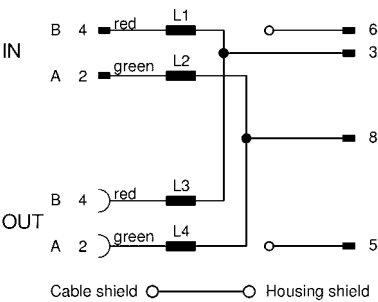
Connecting cable SUB-D Male connector, angled, 9-pos, with programming interface – Male connector/Female connector M12x1, axial, B-coding, 4-pos



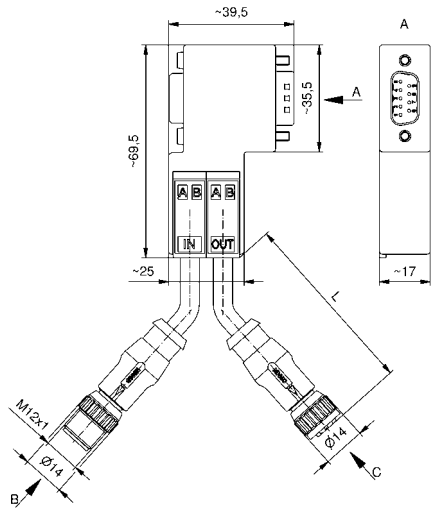
TECHNICAL DATA	
Housing SUB-D	Thermoplastic chrome-plated
Rated voltage	4,75 - 5,25 V DC
Degree of protection	IP40 at SUB-D IP67 at M12x1
Temperature range	-25 °C to +60 °C
Mating cycles	<=100
SUB-D Male connector	with switchable ferrule resistor

Directive 2002 95 EC
„RoHS“
Compliant

CONTACT ASSIGNMENT



DIMENSION DRAWING



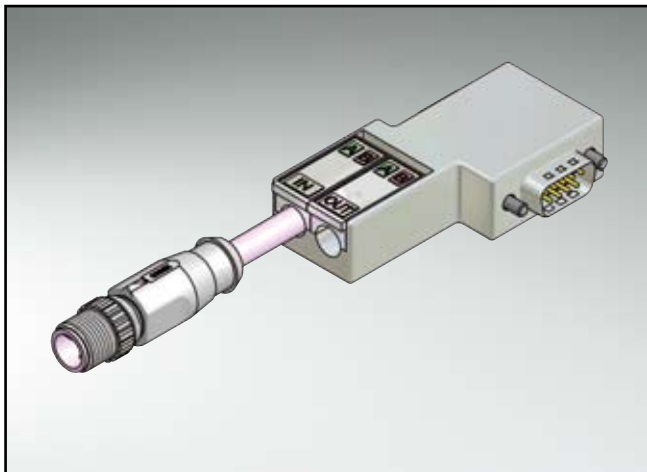
ORDER DATA

Cable	Length/L	Description	Part-no.
PVC, UL violet (RAL 4001) 2xAWG 22	0,5m	SAL-SD-SKSW9.1-12B-RS4.1-RK4.1-0,5/G5	43-11756
	1,0m	SAL-SD-SKSW9.1-12B-RS4.1-RK4.1-1/G5	43-11757
	2,0m	SAL-SD-SKSW9.1-12B-RS4.1-RK4.1-2/G5	43-11758
TPU, UL violet (RAL 4001) 2xAWG 22	0,5m	SAL-SD-SKSW9.1-12B-RS4.1-RK4.1-0,5/G4	43-11753
	1,0m	SAL-SD-SKSW9.1-12B-RS4.1-RK4.1-1/G4	43-11754
	2,0m	SAL-SD-SKSW9.1-12B-RS4.1-RK4.1-2/G4	43-11755
TPU, UL high flexible, halogenfree, violet (RAL 4001) 2xAWG 24	0,5m	SAL-SD-SKSW9.1-12B-RS4.1-RK4.1-0,5/G7	43-11759
	1,0m	SAL-SD-SKSW9.1-12B-RS4.1-RK4.1-1/G7	43-11760
	2,0m	SAL-SD-SKSW9.1-12B-RS4.1-RK4.1-2/G7	43-11761

For custom length or quality levels contact factory.

SAL CONNECTORS SUB-D AUF M12X1

Connecting cable SUB-D Male connector angled, 9-pos, with programming interface – Male connector M12x1, axial, B-coding, 4-pos

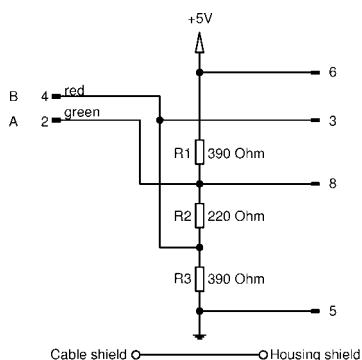


TECHNICAL DATA

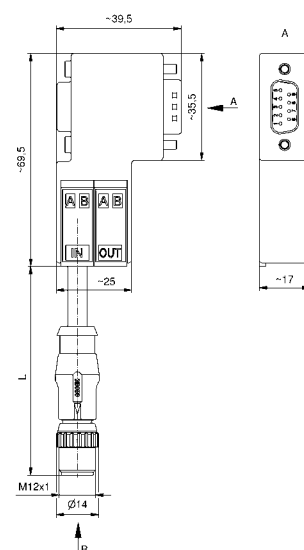
Housing SUB-D	Thermoplastic chrome-plated
Rated voltage	4,75 - 5,25 V DC
Degree of protection	IP40 at SUB-D IP67 at M12x1
Temperature range	-25 °C to +60 °C
Mating cycles	<=100
SUB-D Male connector	with switchable ferrule resistor

Directive 2002 95 EC
"RoHS"
Compliant

CONTACT ASSIGNMENT



DIMENSION DRAWING



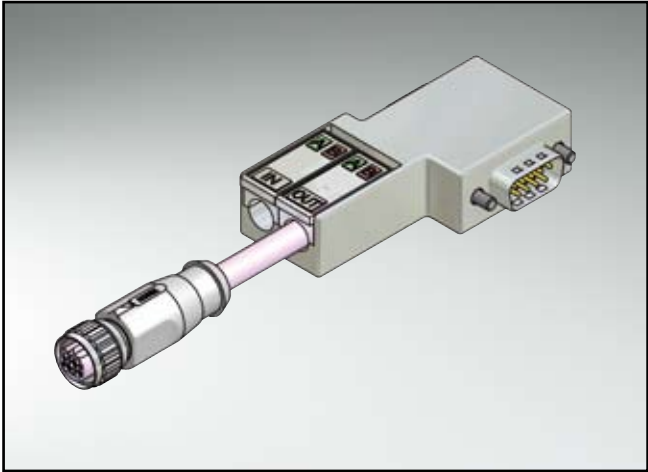
ORDER DATA

Cable	Length/L	Description	Part-no.
PVC, UL violet (RAL 4001) 2xAWG 22	2m	SAL-SD-SKSW9-12B-RS4.1-2/G5	43-11747
	3m	SAL-SD-SKSW9-12B-RS4.1-3/G5	43-11748
	5m	SAL-SD-SKSW9-12B-RS4.1-5/G5	43-11749
TPU, UL violet (RAL 4001) 2xAWG 22	2m	SAL-SD-SKSW9-12B-RS4.1-2/G4	43-11744
	3m	SAL-SD-SKSW9-12B-RS4.1-3/G4	43-11745
	5m	SAL-SD-SKSW9-12B-RS4.1-5/G4	43-11746
TPU, UL high flexible, halogenfree, violet (RAL 4001) 2xAWG 24	2m	SAL-SD-SKSW9-12B-RS4.1-2/G7	43-11750
	3m	SAL-SD-SKSW9-12B-RS4.1-3/G7	43-11751
	5m	SAL-SD-SKSW9-12B-RS4.1-5/G7	43-11752

For custom length or quality levels contact factory.

SAL CONNECTORS SUB-D AUF M12X1

Connecting cable SUB-D Male connector, angled, 9-pos, with programming interface – Female connector M12x1, axial, B-coding, 4-pos

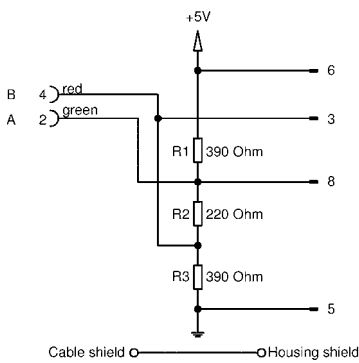


TECHNICAL DATA

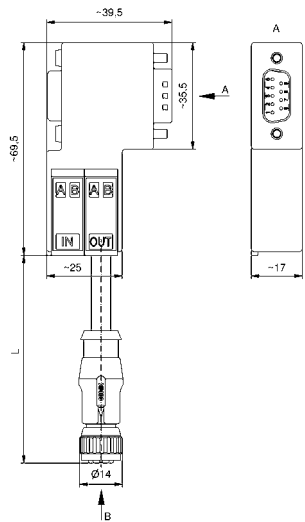
Housing SUB-D	Thermoplastic chrome-plated
Rated voltage	4,75 - 5,25 V DC
Degree of protection	IP40 at SUB-D IP67 at M12x1
Temperature range	-25 °C to +60 °C
Mating cycles	<=100
SUB-D Male connector	with switchable ferrule resistor

Directive 2002 95 EC
"RoHS"
Compliant

CONTACT ASSIGNMENT



DIMENSION DRAWING



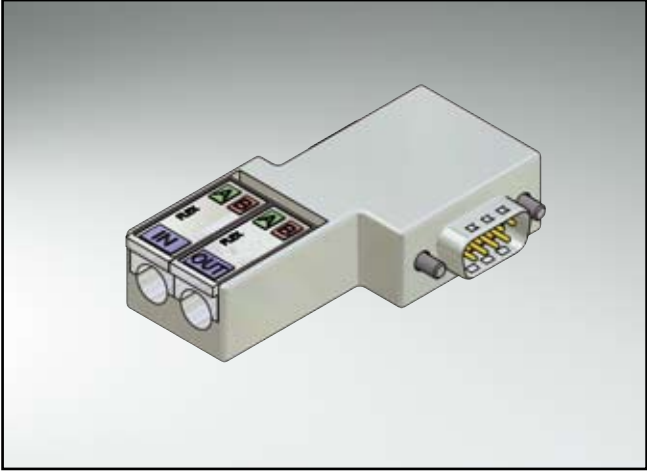
ORDER DATA

Cable	Length/L	Description	Part-no.
PVC, UL violet (RAL 4001) 2xAWG 22	2m	SAL-SD-SKSW9-12B-RK4.1-2/G5	43-11738
	3m	SAL-SD-SKSW9-12B-RK4.1-3/G5	43-11739
	5m	SAL-SD-SKSW9-12B-RK4.1-5/G5	43-11740
TPU, UL violet (RAL 4001) 2xAWG 22	2m	SAL-SD-SKSW9-12B-RK4.1-2/G4	43-11735
	3m	SAL-SD-SKSW9-12B-RK4.1-3/G4	43-11736
	5m	SAL-SD-SKSW9-12B-RK4.1-5/G4	43-11737
TPU, UL high flexible, halogenfree, violet (RAL 4001) 2xAWG 24	2m	SAL-SD-SKSW9-12B-RK4.1-2/G7	43-11741
	3m	SAL-SD-SKSW9-12B-RK4.1-3/G7	43-11742
	5m	SAL-SD-SKSW9-12B-RK4.1-5/G7	43-11743

For custom length or quality levels contact factory.

SAL CONNECTORS SUB-D

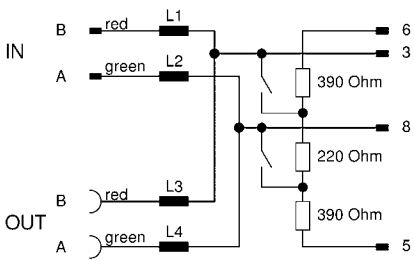
SUB-D Male connector, 9-pos, angled, with programming interface and quick connection for flexible conductor



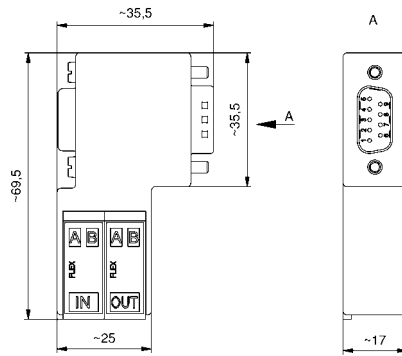
TECHNICAL DATA	
Housing SUB-D	Thermoplastic chrome-plated
Rated voltage	4,75 - 5,25 V DC
Current rating	12,5 mA
Degree of protection	IP40
Temperature range	-25 °C to +60 °C
Mating cycles	<=100
SUB-D	with switchable ferrule resistor

Directive 2002 95 EC
"RoHS"
Compliant

CONTACT ASSIGNMENT



DIMENSION DRAWING

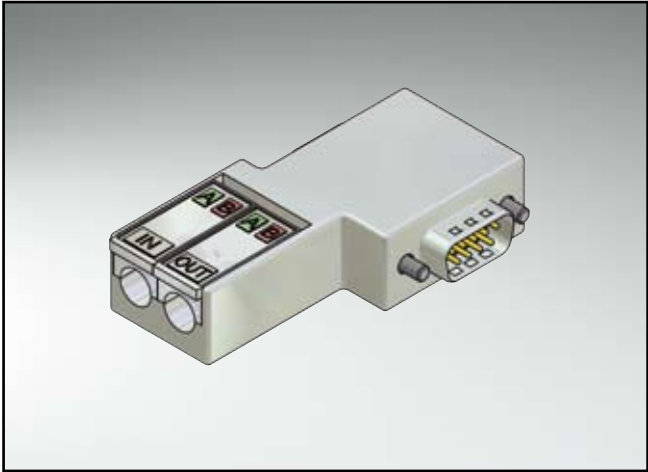


ORDER DATA

Description	Part-no.
SAL-SD-SKSW9F	43-11311

SAL CONNECTORS SUB-D

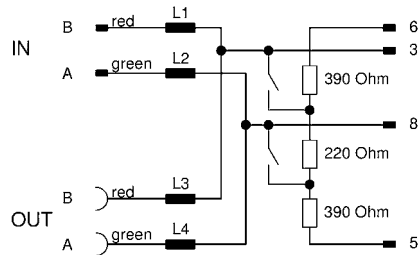
SUB-D Male connector, 9-pos, angled, with programming interface and quick connection for inflexible conductor



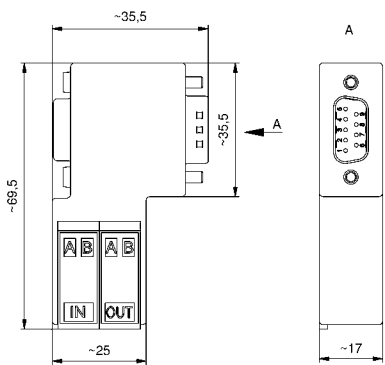
TECHNICAL DATA	
Housing SUB-D	Thermoplastic chrome-plated
Rated voltage	4,75 - 5,25 v DC
Current rating	12,5 mA
Degree of protection	IP40
Temperature range	-25 °C to +60 °C
Mating cycles	<=100
SUB-D	with switchable ferrule resistor

Directive 2002 95 EC
„RoHS“
Compliant

CONTACT ASSIGNMENT



DIMENSION DRAWING

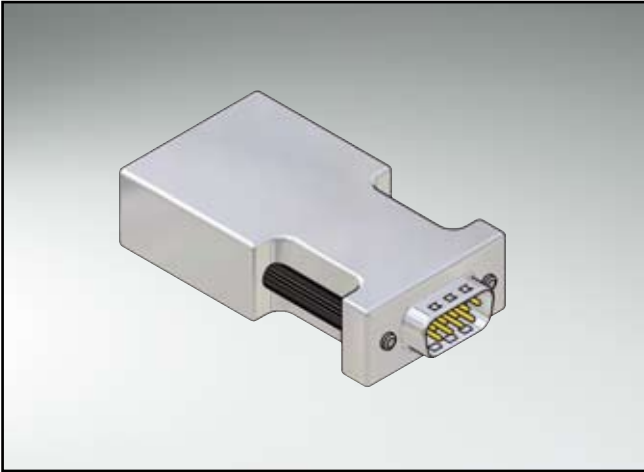


ORDER DATA

Description	Part-no.
SAL-SD-SKSW9	43-11520

SAL M12X1 CONNECTORS SUB-D

SUB-D Male connector, 9-pos, axial, with screw termination

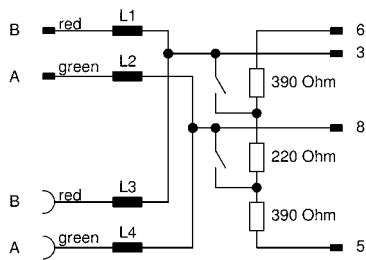


TECHNICAL DATA

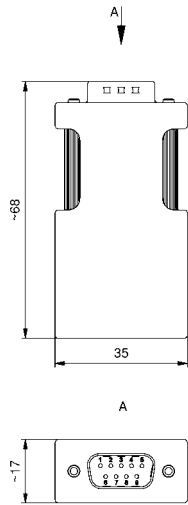
Housing SUB-D	Thermoplastic chrome-plated
Rated voltage	4,75 - 5,25 v DC
Current rating	12,5 mA
Degree of protection	IP40
Temperature range	-25°C to +60°C
Mating cycles	<=100
SUB-D	with switchable ferrule resistor

Directive 2002 95 EC
"RoHS"
Compliant

CONTACT ASSIGNMENT



DIMENSION DRAWING

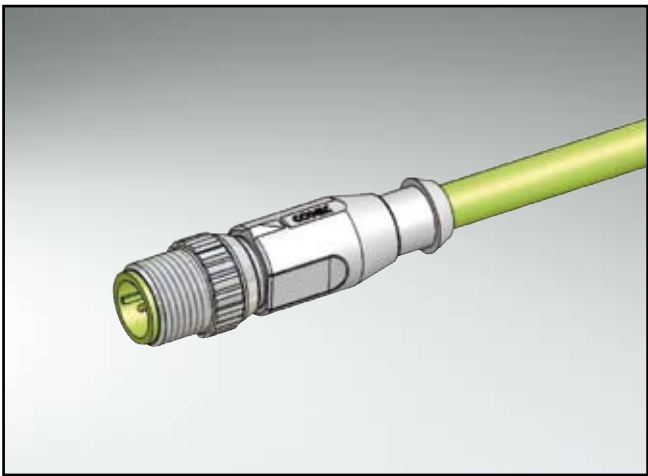


ORDER DATA

Description	Part-no.
SAL-SD-SS9S	43-11929

SAL M12X1 CONNECTORS - D-CODING INDUSTRIAL ETHERNET 100MHz

Male connector, axial with 360°-shielding

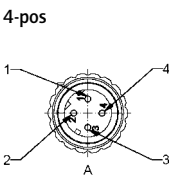


TECHNICAL DATA

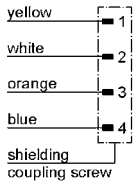
Rated voltage	4-pos 160V
Current rating	4A at +40°C
Pollution degree	3/2
Insulation resistance	= 10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	-30°C to +70°C
Mating cycles	<=100

Directive 2002 95 EC
"RoHS"
Compliant

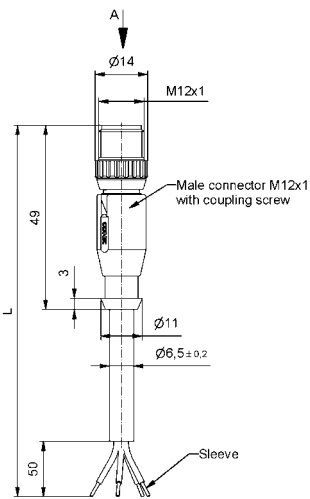
PIN CONFIGURATION



CONTACT ASSIGNMENT 4-POS



DIMENSION DRAWING



ORDER DATA

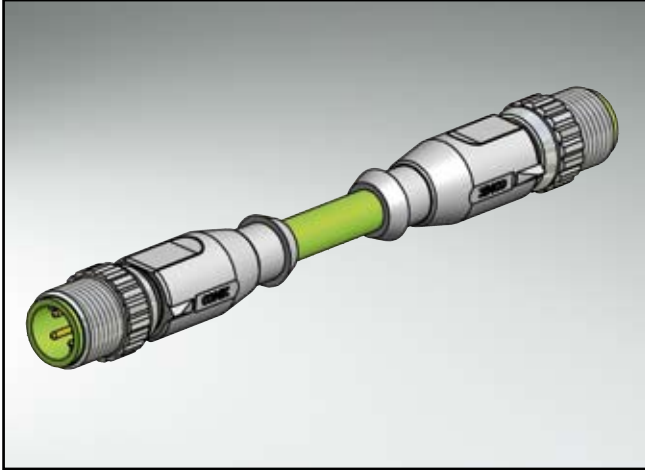
Cable	Length/L	Description	4-pos Part-no.
TPU, UL green (RAL 6018), 4xAWG 22	2m	SAL-12D-RS4.2-2/G6	43-10944
	3m	SAL-12D-RS4.2-3/G6	43-10945
	5m	SAL-12D-RS4.2-5/G6	43-10946
	10m	SAL-12D-RS4.2-10/G6	43-10947

For custom length or quality levels contact factory.

SAL M12X1 CONNECTORS - D-CODING INDUSTRIAL ETHERNET 100MHz

Connecting cable with 360°-shielding

Male connector, axial – Male connector, axial



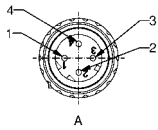
TECHNICAL DATA

Rated voltage	4-pos 160V
Current rating	4A at +40°C
Pollution degree	3/2
Insulation resistance	= 10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	-30°C to +70°C
Mating cycles	<=100

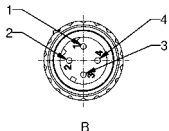
Directive 2002/95/EC
"RoHS"
Compliant

PIN CONFIGURATION

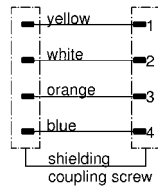
4-pos male



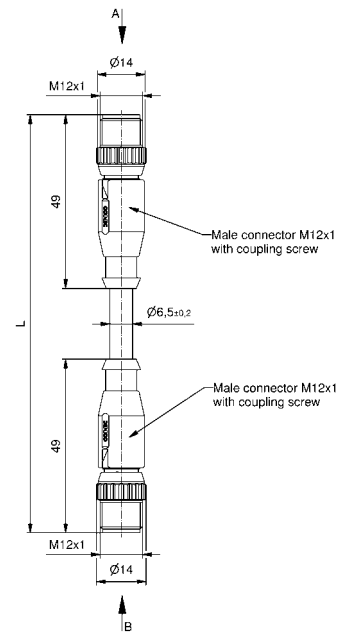
4-pos male



CONTACT ASSIGNMENT 4-POS



DIMENSION DRAWING



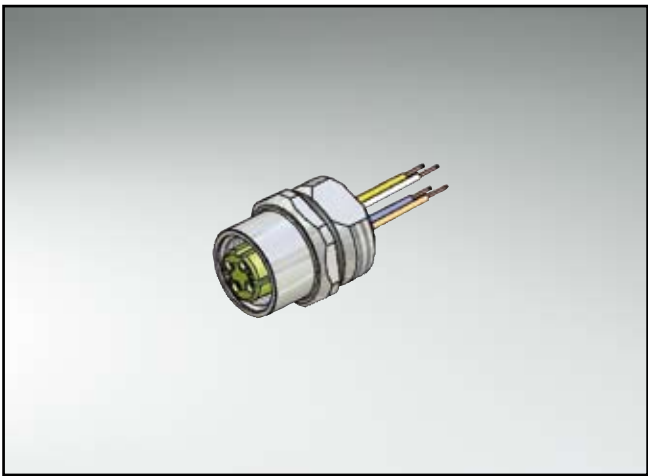
ORDER DATA

Cable	Length/L	Description	4-pos Part-no.
TPU, UL green (RAL 6018), 4xAWG 22	0,3m	SAL-12D-RS4.2-RS4.2-0,3/G6	43-10948
	0,6m	SAL-12D-RS4.2-RS4.2-0,6/G6	43-10949
	1,5m	SAL-12D-RS4.2-RS4.2-1,5/G6	43-10950
	3,0m	SAL-12D-RS4.2-RS4.2-3/G6	43-10951

For custom length or quality levels contact factory.

SAL M12X1 CONNECTORS - D-CODING INDUSTRIAL ETHERNET 100MHz

Female socket with wire, frontmounting, M16x1,5-thread



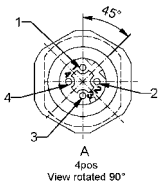
TECHNICAL DATA

Rated voltage	4-pos 250V
Current rating	4A at +40°C
Pollution degree	3/2
Insulation resistance	= 10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	-30°C to +70°C
Mating cycles	<=100

Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

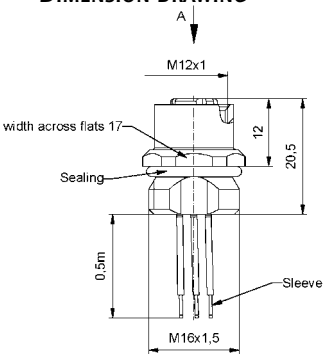
4-pos



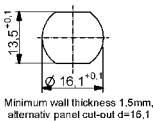
CONTACT ASSIGNMENT 4-POS

yellow	1
white	2
orange	3
blue	4

DIMENSION DRAWING



CUT-OUT FRONT PANEL

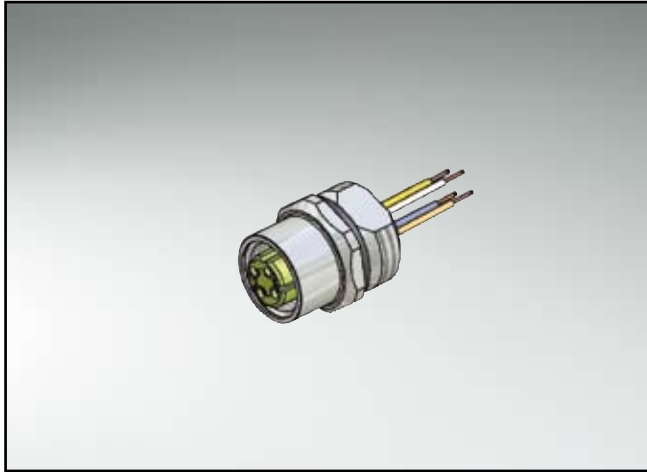


ORDER DATA

Cable	Length/L	Description	4-pos Part-no.
PVC, UL AWG 22	0,5m	SAL-12D-FK4.2-0,5	43-01044
Accessories		Counter nut	43-01155
Please order separately			

SAL M12X1 CONNECTORS - D-CODING INDUSTRIAL ETHERNET 100MHz

Female socket with wire, frontmounting, PG9-thread



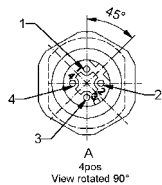
TECHNICAL DATA

Rated voltage	4-pos 250V
Current rating	4A at +40°C
Pollution degree	3/2
Insulation resistance	= 10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	-30°C to +70°C
Mating cycles	<=100

Directive 2002/95/EC
"RoHS"
Compliant

PIN CONFIGURATION

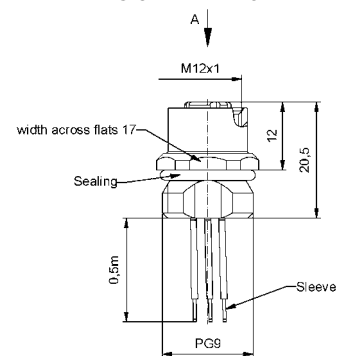
4-pos



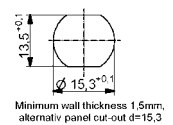
CONTACT ASSIGNMENT 4-POS

yellow	1
white	2
orange	3
blue	4

DIMENSION DRAWING



CUT-OUT FRONT PANEL

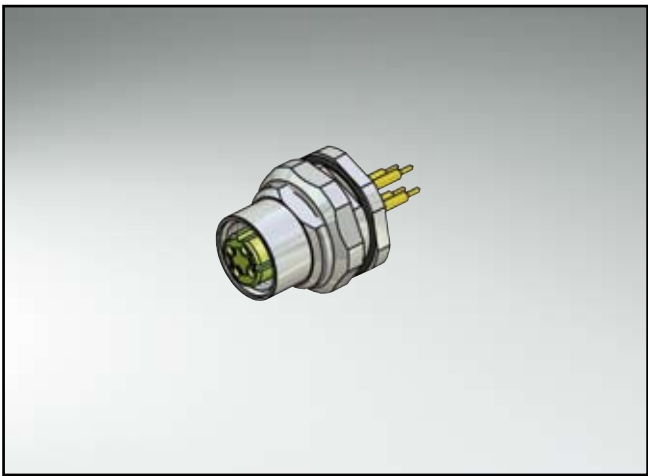


ORDER DATA

Cable	Length/L	Description	4-pos Part-no.
PVC, UL AWG 22	0,5m	SAL-12D-FK4.2-0,5-9	43-01111
Accessories		Counter nut	43-01156
Please order separately			

SAL M12X1 CONNECTORS - D-CODING INDUSTRIAL ETHERNET 100MHz

Female socket dip-solder, backmounting, M16x1,5-thread



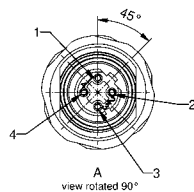
TECHNICAL DATA

Rated voltage	4-pos 250V
Current rating	4A at +40°C
Pollution degree	3/2
Insulation resistance	= 10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	-30°C to +85°C
Mating cycles	<=100

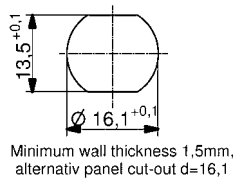
Directive 2002 95 EC
„RoHS“
Compliant

PIN CONFIGURATION

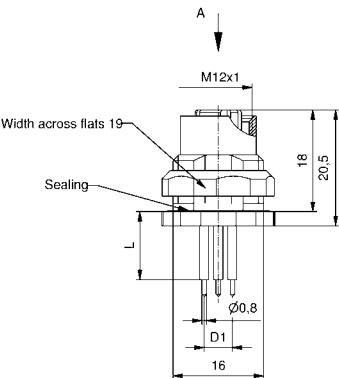
4-pos



CUT-OUT FRONT PANEL



DIMENSION DRAWING

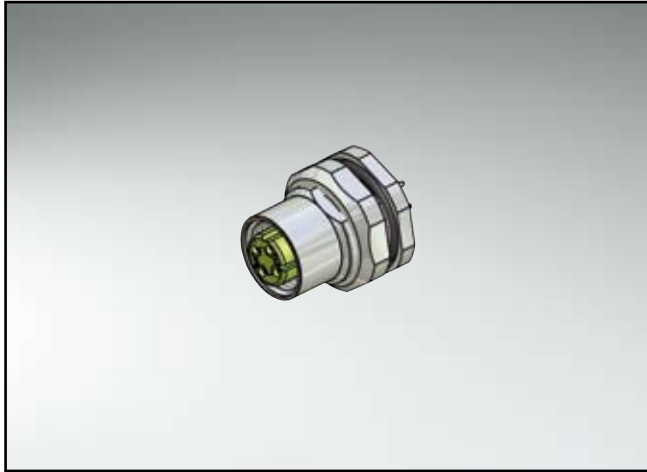


ORDER DATA

Length/L contacts	Description	4-pos Part-no.
5,5mm	SAL-12D-FKH4.2-P5,5	43-01157
12mm	SAL-12D-FKH4.2-P12	43-01118

SAL M12X1 CONNECTORS - D-CODING INDUSTRIAL ETHERNET 100MHz

Female socket dip-solder, backmounting, PG9-thread



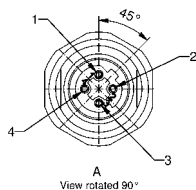
TECHNICAL DATA

Rated voltage	4-pos 250V
Current rating	4A at +40°C
Pollution degree	3/2
Insulation resistance	= 10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	-30°C to +85°C
Mating cycles	<=100

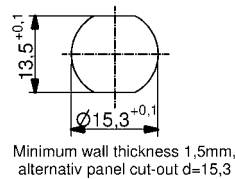
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

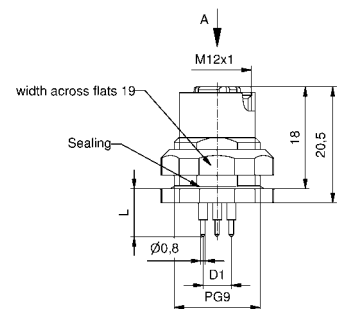
4-pos



CUT-OUT FRONT PANEL



DIMENSION DRAWING

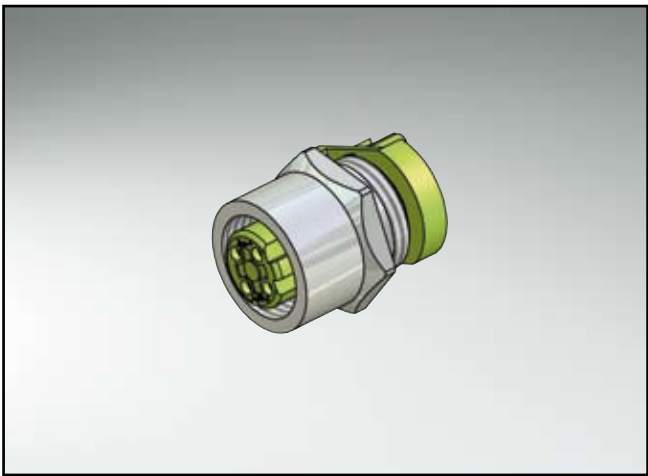


ORDER DATA

Length/L contacts	Description	4-pos Part-no.
5,5mm	SAL-12D-FKH4.2-P5,5-9	43-01236
12mm	SAL-12D-FKH4.2-P12-9	43-01248

SAL M12X1 CONNECTORS - D-CODING INDUSTRIAL ETHERNET 100MHz

Female socket frontmounting, axial, with shroud, installation height 5,5mm



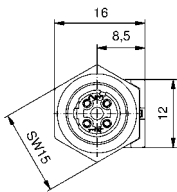
TECHNICAL DATA

Rated voltage	4-pos 250V
Current rating	4A at +40°C
Pollution degree	3/2
Insulation resistance	= 10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	-30°C to +85°C
Mating cycles	<=100

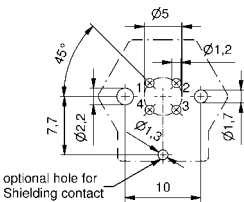
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

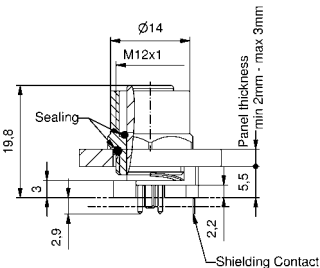
4-pos



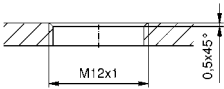
HOLE PATTERN PRINTING BOARD



DIMENSION DRAWING



SCREW-IN THREAD

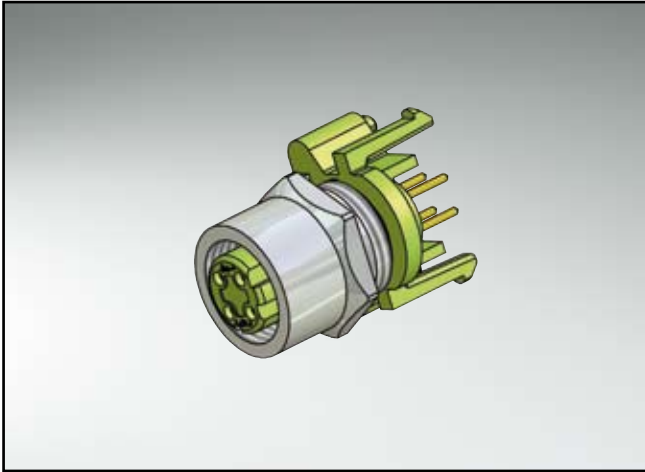


ORDER DATA

Length/L contacts	Description	4-pos Part-no.
5,5mm	SAL-12D-FK4-X5,5	43-01222

SAL M12X1 CONNECTORS - D-CODING INDUSTRIAL ETHERNET 100MHz

Female socket frontmounting, axial, with shroud, installation height 10mm



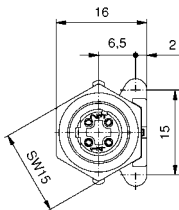
TECHNICAL DATA

Rated voltage	4-pos 250V
Current rating	4A at +40°C
Pollution degree	3/2
Insulation resistance	= 10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	-30°C to +85°C
Mating cycles	<=100

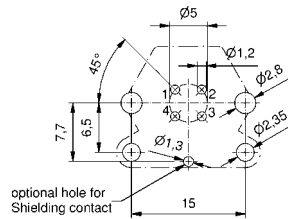
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

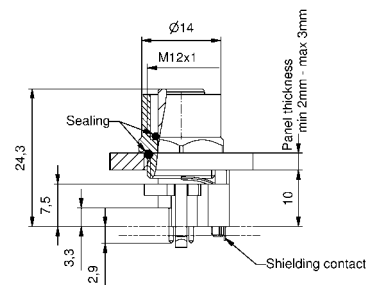
4-pos



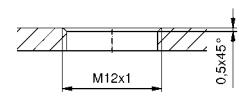
HOLE PATTERN PRINTING BOARD



DIMENSION DRAWING



SCREW-IN THREAD

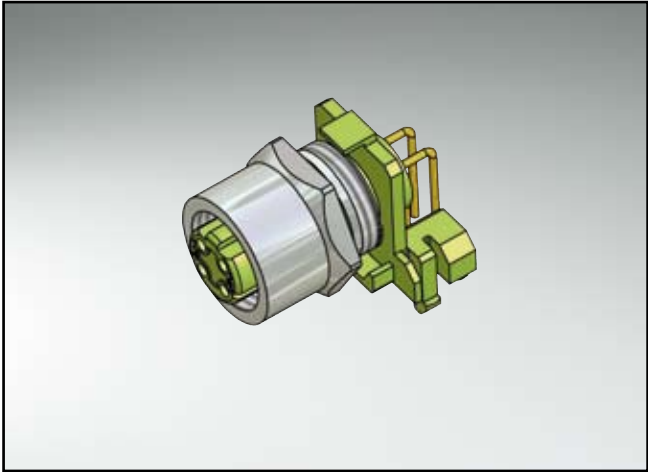


ORDER DATA

Length/L contacts	Description	4-pos Part-no.
10mm	SAL-12D-FK4-X10	43-01220

SAL M12X1 CONNECTORS - D-CODING INDUSTRIAL ETHERNET 100MHz

Female socket frontmounting, angled, with shroud



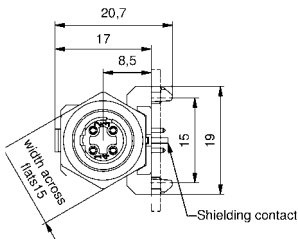
TECHNICAL DATA

Rated voltage	4-pos 250V
Current rating	4A at +40°C
Pollution degree	3/2
Insulation resistance	= 10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	-30°C to +85°C
Mating cycles	<=100

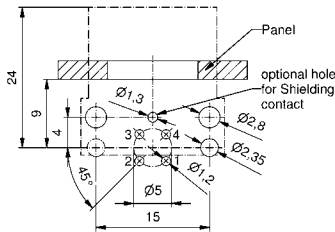
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

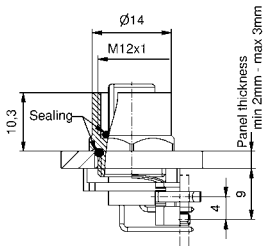
4-pos



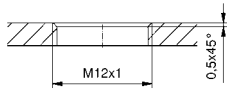
HOLE PATTERN PRINTING BOARD



DIMENSION DRAWING



SCREW-IN THREAD

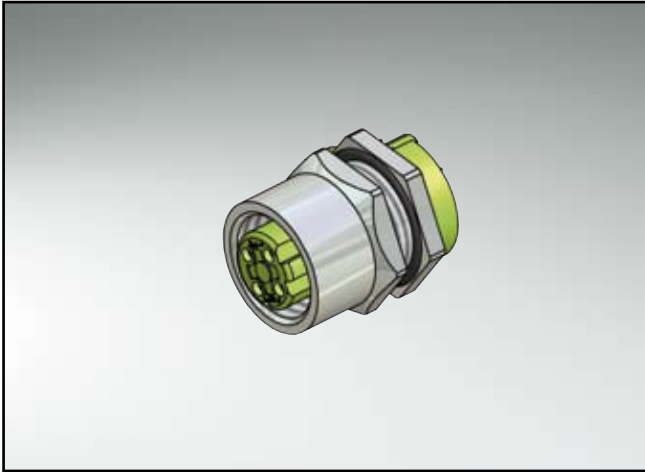


ORDER DATA

Description	4-pos Part-no.
SAL-12D-FKW4	43-01228

SAL M12X1 CONNECTORS - D-CODING INDUSTRIAL ETHERNET 100MHz

Female socket backmounting, axial, with shroud, installation height 5,5mm



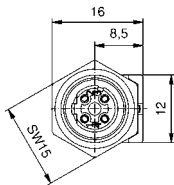
TECHNICAL DATA

Rated voltage	$\frac{4\text{-pos}}{250\text{V}}$
Current rating	4A at +40°C
Pollution degree	3/2
Insulation resistance	= 10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	-30°C to +85°C
Mating cycles	<=100

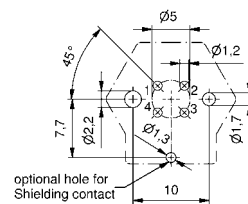
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

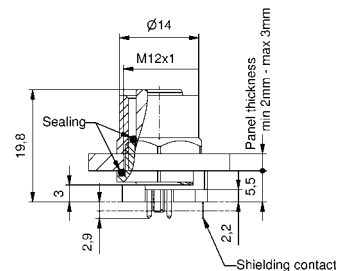
4-pos



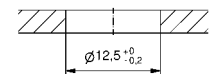
HOLE PATTERN PRINTING BOARD



DIMENSION DRAWING



FEEDTHROUGH

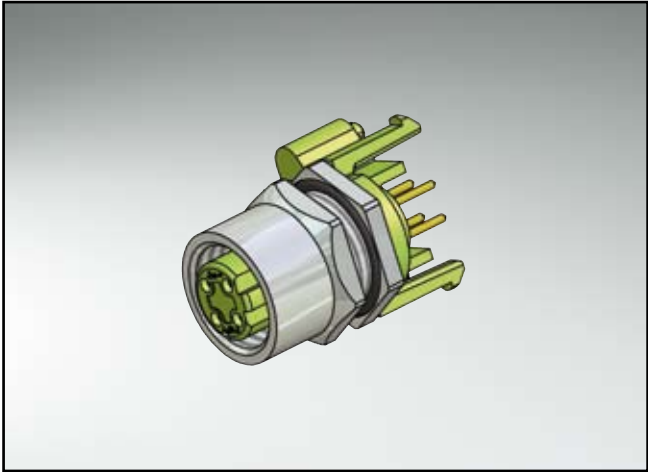


ORDER DATA

Length/L contacts	Description	4-pos Part-no.
5,5mm	SAL-12D-FKH4-X5,5	43-01223

SAL M12X1 CONNECTORS - D-CODING INDUSTRIAL ETHERNET 100MHz

Female socket backmounting, axial, with shroud, installation height 10mm



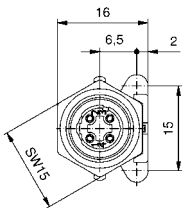
TECHNICAL DATA

Rated voltage	4-pos 250V
Current rating	4A at +40°C
Pollution degree	3/2
Insulation resistance	= 10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	-30°C to +85°C
Mating cycles	<=100

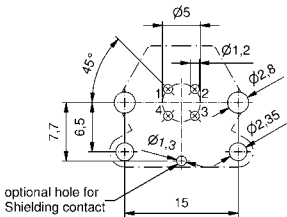
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

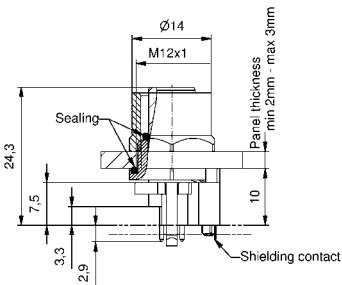
4-pos



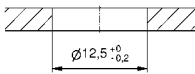
HOLE PATTERN PRINTING BOARD



DIMENSION DRAWING



FEEDTHROUGH

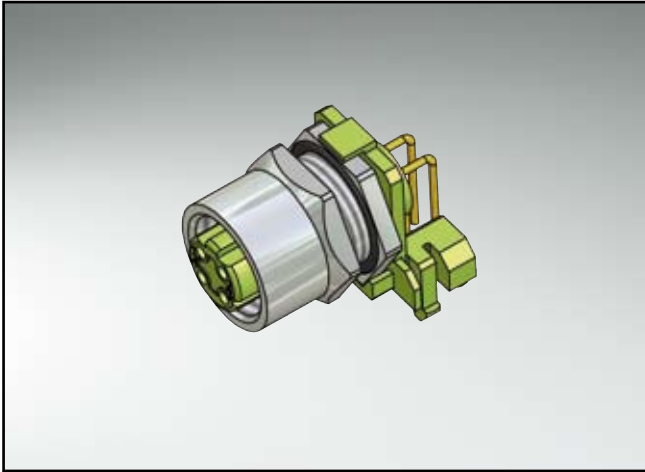


ORDER DATA

Length/L contacts	Description	4-pos Part-no.
10mm	SAL-12D-FKH4-X10	43-01221

SAL M12X1 CONNECTORS - D-CODING INDUSTRIAL ETHERNET 100MHz

Female socket backmounting, angled, with shroud



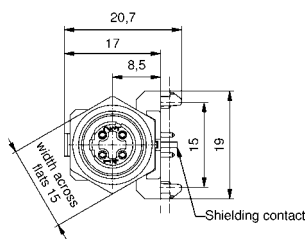
TECHNICAL DATA

Rated voltage	4-pos 250V
Current rating	4A at +40°C
Pollution degree	3/2
Insulation resistance	= 10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	-30°C to +85°C
Mating cycles	<=100

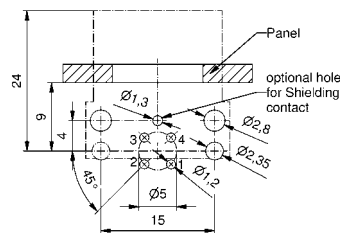
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

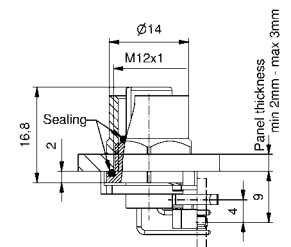
4-pos



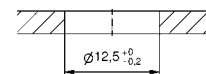
HOLE PATTERN PRINTING BOARD



DIMENSION DRAWING



FEEDTHROUGH



ORDER DATA

Description	4-pos Part-no.
SAL-12D-FKHW4	43-01229

SECTION 7

M8x1/Ø8MM CONNECTORS





The small yet robust M8 x 1/Ø8 mm circular connector is ideal for compact and space-sensitive industrial applications. This small brother to the M12x1 circular connector has an installation-friendly and compact design. A handy lock nut/screw with integrated anti-vibration locking ensures a reliable connection.

You can choose from adapters with a screw and snap design, connectors with a screw and screw/snap design (each available in an axial/angled version).



SAL M8x1/Ø8MM CONNECTORS OVERMOULDED

Nomenclature

S	A	L	-	8	-	R	K	W	S	3	-	3	/	A	1
SAL															
Sensor Actor Line															
Installation size															
8 = M8x1/ Ø8 mm															
Building															
R = Circular connector															
Configuration															
K = Female connector															
S = Male connector															
Building															
= Axial															
W = Angled															
Building															
= Screwable															
S = Snap-in															
U = Screwable/Snap-in															
Number of poles															
3 = 3-pos															
4 = 4-pos															
Cable length															
XX = Length [m]															
Cable quality															
A1 = PVC, grey															
K1 = TPU, black, high flexible, halogenfree, UL															

SAL M8x1/Ø8MM CONNECTORS OVERMOULDED

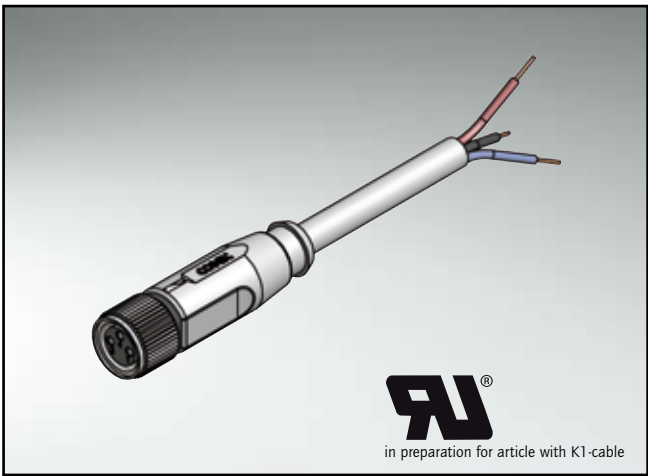
Technical Data

Basic material	
Contact	CuZn
Contact plating	Nickel plated, gold-plated
Contact carrier	TPU GF, UL 94
Moulding body	TPU, UL 94, grey
Sealing	FPM
Coupling nut/-screw	CuZn, nickel-plated
Information on the following pages are basing on below mentioned IEC-standards.	
Rated voltage	IEC 61076-2-101
Current rating	IEC 61076-2-101
Insulation resistance	IEC 60512-2
Pollution degree	IEC 60664-1
Degree of protection	IEC 60529
Temperature range	IEC 60664-1
Mating cycles	IEC 61076-2-101

Technical subject to change without notice.

SAL M8x1 CONNECTORS

Female connector, axial, screwable



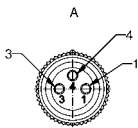
TECHNICAL DATA

Rated voltage	3-pos 60V	4-pos 30V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	=10 ⁹ Ω	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +80°C	
Mating cycles	<=100	

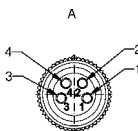
DIRECTIVE 2002 95 EC
"RoHS"
COMPLIANT

PIN CONFIGURATION

3-pos



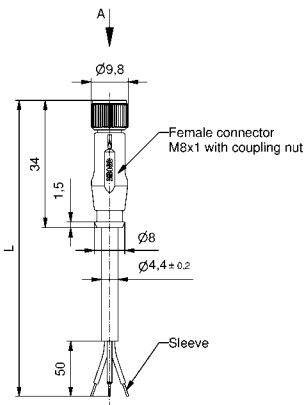
4-pos



CONTACT ASSIGNMENT 3 - 4-POS

brown	1
white	2
blue	3
black	4

DIMENSION DRAWING



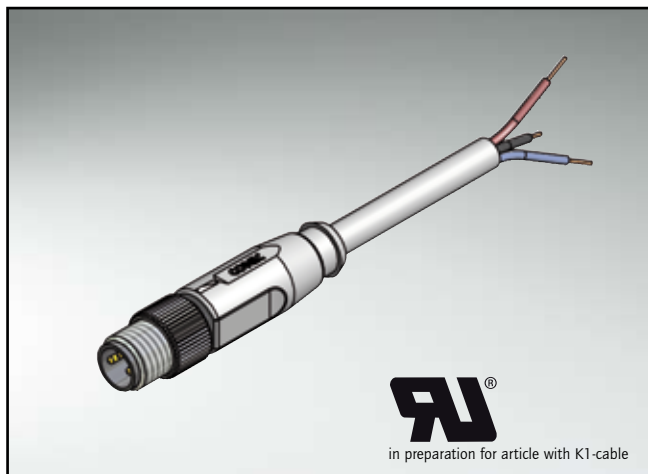
ORDER DATA

Cable	Length/L	Description	3-pos Part-no.	Description	4-pos Part-no.
PVC, grey LiYY 0,25mm ²	2m	SAL-8-RK3-2/A1	42-10000	SAL-8-RK4-2/A1	42-10032
	3m	SAL-8-RK3-3/A1	42-10001	SAL-8-RK4-3/A1	42-10033
	5m	SAL-8-RK3-5/A1	42-10002	SAL-8-RK4-5/A1	42-10034
	10m	SAL-8-RK3-10/A1	42-10003	SAL-8-RK4-10/A1	42-10035
TPU, high flexible halogenfree, UL black Li9Y11Y 0,25mm ²	2m	SAL-8-RK3-2/K1	42-10004	SAL-8-RK4-2/K1	42-10036
	3m	SAL-8-RK3-3/K1	42-10005	SAL-8-RK4-3/K1	42-10037
	5m	SAL-8-RK3-5/K1	42-10006	SAL-8-RK4-5/K1	42-10038
	10m	SAL-8-RK3-10/K1	42-10007	SAL-8-RK4-10/K1	42-10039

For custom length or quality levels contact factory.

SAL M8x1 CONNECTORS

Male connector, axial, screwable



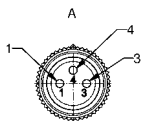
TECHNICAL DATA

Rated voltage	3-pos 60V	4-pos 30V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	=10 ⁹ Ω	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +80°C	
Mating cycles	<=100	

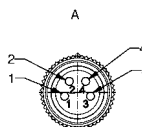
DIRECTIVE 2002/95/EC
"RoHS"
COMPLIANT

PIN CONFIGURATION

3-pos



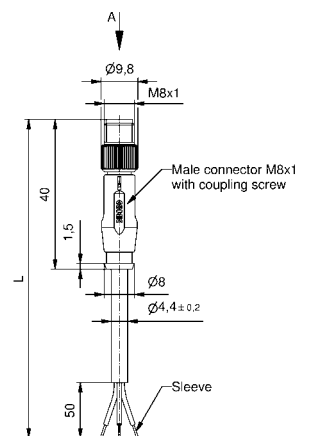
4-pos



CONTACT ASSIGNMENT 3 - 4-POS

brown	1
white	2
blue	3
black	4

DIMENSION DRAWING



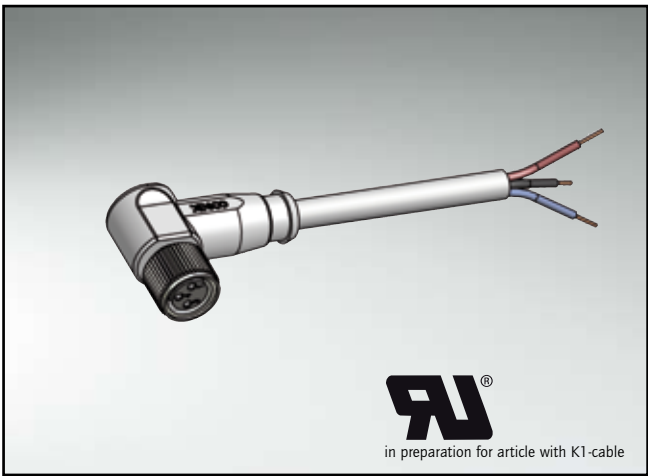
ORDER DATA

Cable	Length/L	Description	3-pos Part-no.	Description	4-pos Part-no.
PVC, grey LiYY 0,25mm ²	2m	SAL-8-RS3-2/A1	42-10008	SAL-8-RS4-2/A1	42-10040
	3m	SAL-8-RS3-3/A1	42-10009	SAL-8-RS4-3/A1	42-10041
	5m	SAL-8-RS3-5/A1	42-10010	SAL-8-RS4-5/A1	42-10042
	10m	SAL-8-RS3-10/A1	42-10011	SAL-8-RS4-10/A1	42-10043
TPU, high flexible halogenfree, UL black Li9Y11Y 0,25mm ²	2m	SAL-8-RS3-2/K1	42-10012	SAL-8-RS4-2/K1	42-10044
	3m	SAL-8-RS3-3/K1	42-10013	SAL-8-RS4-3/K1	42-10045
	5m	SAL-8-RS3-5/K1	42-10014	SAL-8-RS4-5/K1	42-10046
	10m	SAL-8-RS3-10/K1	42-10015	SAL-8-RS4-10/K1	42-10047

For custom length or quality levels contact factory.

SAL M8x1 CONNECTORS

Female connector, angled, screwable



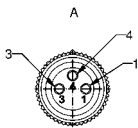
TECHNICAL DATA

Rated voltage	3-pos 60V	4-pos 30V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	=10 ⁹ Ω	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +80°C	
Mating cycles	<=100	

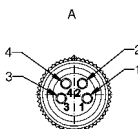
DIRECTIVE 2002 95 EC
"RoHS"
COMPLIANT

PIN CONFIGURATION

3-pos



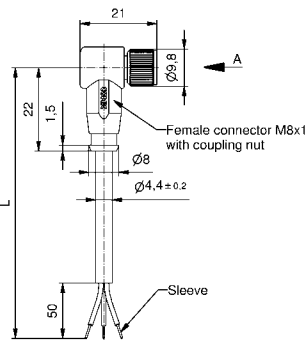
4-pos



CONTACT ASSIGNMENT 3 - 4-POS

brown	1
white	2
blue	3
black	4

DIMENSION DRAWING



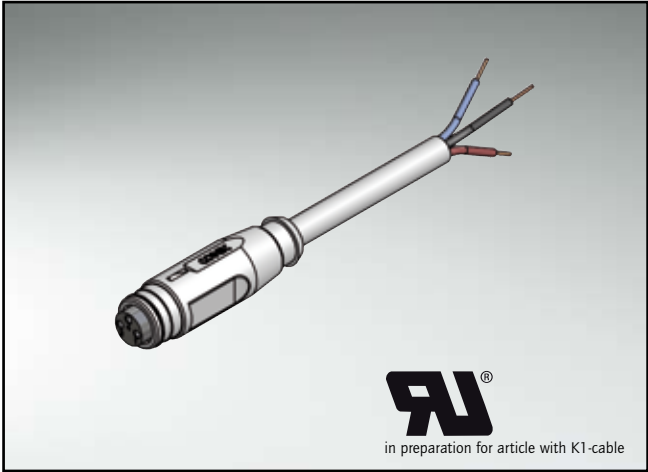
ORDER DATA

Cable	Length/L	Description	3-pos Part-no.	Description	4-pos Part-no.
PVC, grey LiYY 0,25mm ²	2m	SAL-8-RKW3-2/A1	42-10016	SAL-8-RKW4-2/A1	42-10048
	3m	SAL-8-RKW3-3/A1	42-10017	SAL-8-RKW4-3/A1	42-10049
	5m	SAL-8-RKW3-5/A1	42-10018	SAL-8-RKW4-5/A1	42-10050
	10m	SAL-8-RKW3-10/A1	42-10019	SAL-8-RKW4-10/A1	42-10051
TPU, high flexible halogenfree, UL black Li9Y11Y 0,25mm ²	2m	SAL-8-RKW3-2/K1	42-10020	SAL-8-RKW4-2/K1	42-10052
	3m	SAL-8-RKW3-3/K1	42-10021	SAL-8-RKW4-3/K1	42-10053
	5m	SAL-8-RKW3-5/K1	42-10022	SAL-8-RKW4-5/K1	42-10054
	10m	SAL-8-RKW3-10/K1	42-10023	SAL-8-RKW4-10/K1	42-10055

For custom length or quality levels contact factory.

SAL Ø8MM CONNECTORS

Female connector, axial, snap-in



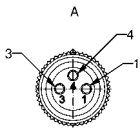
TECHNICAL DATA

Rated voltage	3-pos 60V	4-pos 30V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	=10 ⁹ Ω	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +80°C	
Mating cycles	<=100	

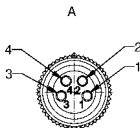
DIRECTIVE 2002 95 EC
"RoHS"
COMPLIANT

PIN CONFIGURATION

3-pos



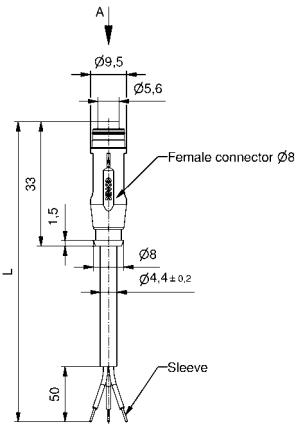
4-pos



CONTACT ASSIGNMENT 3 - 4-POS

brown	1
white	2
blue	3
black	4

DIMENSION DRAWING



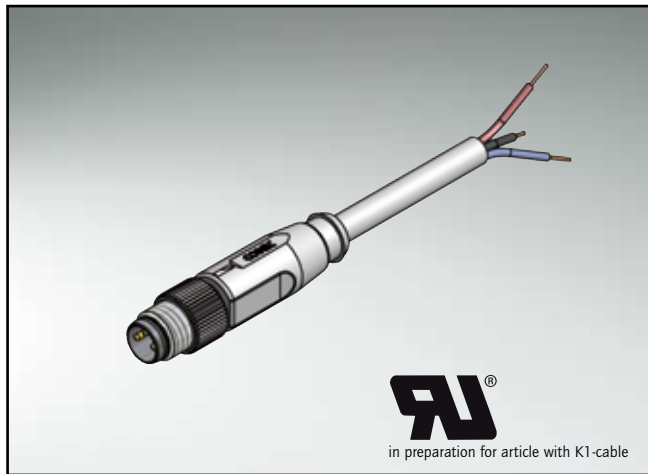
ORDER DATA

Cable	Length/L	Description	3-pos Part-no.	Description	4-pos Part-no.
PVC, grey LiYY 0,25mm ²	2m	SAL-8-RKS3-2/A1	42-10064	SAL-8-RKS4-2/A1	42-10096
	3m	SAL-8-RKS3-3/A1	42-10065	SAL-8-RKS4-3/A1	42-10097
	5m	SAL-8-RKS3-5/A1	42-10066	SAL-8-RKS4-5/A1	42-10098
	10m	SAL-8-RKS3-10/A1	42-10067	SAL-8-RKS4-10/A1	42-10099
TPU, high flexible halogenfree, UL black Li9Y11Y 0,25mm ²	2m	SAL-8-RKS3-2/K1	42-10068	SAL-8-RKS4-2/K1	42-10100
	3m	SAL-8-RKS3-3/K1	42-10069	SAL-8-RKS4-3/K1	42-10101
	5m	SAL-8-RKS3-5/K1	42-10070	SAL-8-RKS4-5/K1	42-10102
	10m	SAL-8-RKS3-10/K1	42-10071	SAL-8-RKS4-10/K1	42-10103

For custom length or quality levels contact factory.

SAL M8x1/Ø8MM CONNECTORS

Male connector, axial, screwable/snap-in



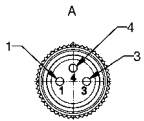
TECHNICAL DATA

Rated voltage	3-pos 60V	4-pos 30V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	=10 ⁹ Ω	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +80°C	
Mating cycles	<=100	

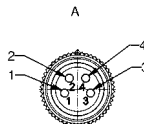
DIRECTIVE 2002/95/EC
"RoHS"
COMPLIANT

PIN CONFIGURATION

3-pos



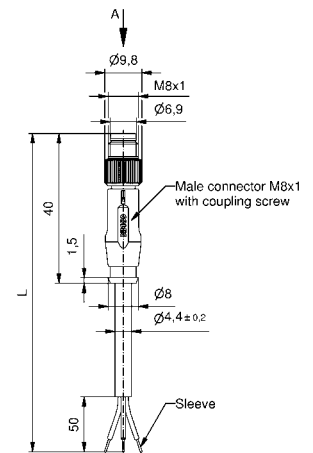
4-pos



CONTACT ASSIGNMENT 3 - 4-POS

brown	1
white	2
blue	3
black	4

DIMENSION DRAWING



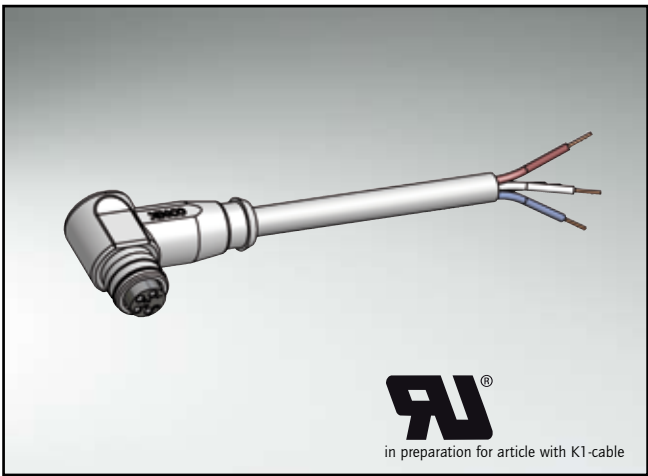
ORDER DATA

Cable	Length/L	Description	3-pos Part-no.	Description	4-pos Part-no.
PVC, grey LiYY 0,25mm ²	2m	SAL-8-RSU3-2/A1	42-10072	SAL-8-RSU4-2/A1	42-10104
	3m	SAL-8-RSU3-3/A1	42-10073	SAL-8-RSU4-3/A1	42-10105
	5m	SAL-8-RSU3-5/A1	42-10074	SAL-8-RSU4-5/A1	42-10106
	10m	SAL-8-RSU3-10/A1	42-10075	SAL-8-RSU4-10/A1	42-10107
TPU, high flexible halogenfree, UL black Li9Y11Y 0,25mm ²	2m	SAL-8-RSU3-2/K1	42-10076	SAL-8-RSU4-2/K1	42-10108
	3m	SAL-8-RSU3-3/K1	42-10077	SAL-8-RSU4-3/K1	42-10109
	5m	SAL-8-RSU3-5/K1	42-10078	SAL-8-RSU4-5/K1	42-10110
	10m	SAL-8-RSU3-10/K1	42-10079	SAL-8-RSU4-10/K1	42-10111

For custom length or quality levels contact factory.

SAL Ø8MM CONNECTORS

Female connector, angled, snap-in



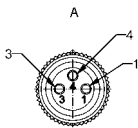
TECHNICAL DATA

Rated voltage	3-pos 60V	4-pos 30V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	=10 ⁹ Ω	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +80°C	
Mating cycles	<=100	

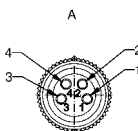
DIRECTIVE 2002 95 EC
"RoHS"
COMPLIANT

PIN CONFIGURATION

3-pos



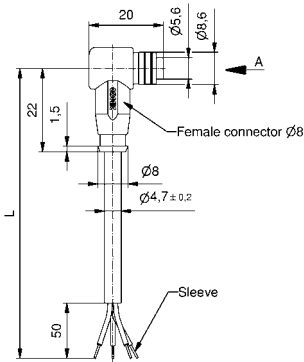
4-pos



CONTACT ASSIGNMENT 3 - 4-POS

brown	1
white	2
blue	3
black	4

DIMENSION DRAWING



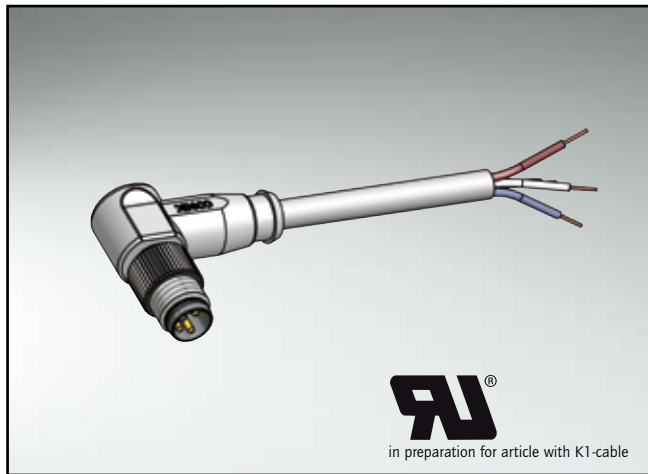
ORDER DATA

Cable	Length/L	Description	3-pos Part-no.	Description	4-pos Part-no.
PVC, grey, LiYY 0,25mm ²	2m	SAL-8-RKWS3-2/A1	42-10080	SAL-8-RKWS4-2/A1	42-10112
	3m	SAL-8-RKWS3-3/A1	42-10081	SAL-8-RKWS4-3/A1	42-10113
	5m	SAL-8-RKWS3-5/A1	42-10082	SAL-8-RKWS4-5/A1	42-10114
	10m	SAL-8-RKWS3-10/A1	42-10083	SAL-8-RKWS4-10/A1	42-10115
TPU, high flexible halogenfree, UL black Li9Y11Y 0,25mm ²	2m	SAL-8-RKWS3-2/K1	42-10084	SAL-8-RKWS4-2/K1	42-10116
	3m	SAL-8-RKWS3-3/K1	42-10085	SAL-8-RKWS4-3/K1	42-10117
	5m	SAL-8-RKWS3-5/K1	42-10086	SAL-8-RKWS4-5/K1	42-10118
	10m	SAL-8-RKWS3-10/K1	42-10087	SAL-8-RKWS4-10/K1	42-10119

For custom length or quality levels contact factory.

SAL M8x1/Ø8MM CONNECTORS

Male connector, angled, screwable/snap-in



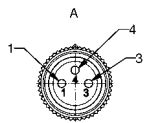
TECHNICAL DATA

Rated voltage	3-pos 60V	4-pos 30V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	=10 ⁹ Ω	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +80°C	
Mating cycles	<=100	

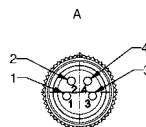
DIRECTIVE 2002/95/EC
"RoHS"
COMPLIANT

PIN CONFIGURATION

3-pos



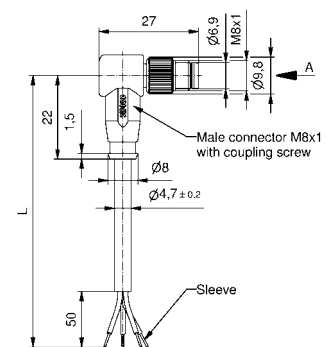
4-pos



CONTACT ASSIGNMENT 3 - 4-POS

brown	1
white	2
blue	3
black	4

DIMENSION DRAWING



ORDER DATA

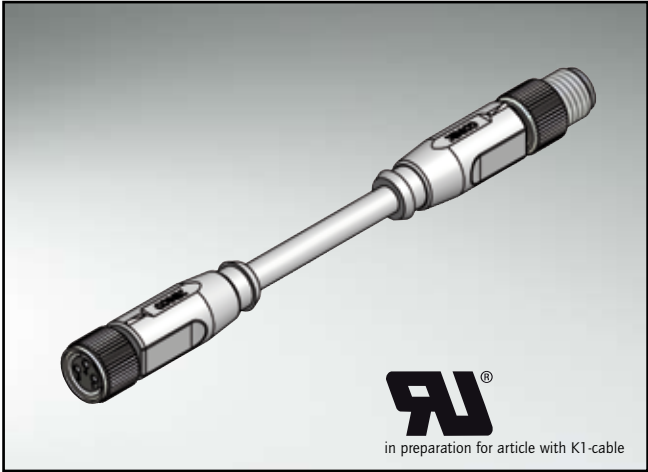
Cable	Length/L	Description	3-pos Part-no.	Description	4-pos Part-no.
PVC, grey	2m	SAL-8-RSWU3-2/A1	42-10088	SAL-8-RSWU4-2/A1	42-10120
LiYY 0,25mm ²	3m	SAL-8-RSWU3-3/A1	42-10089	SAL-8-RSWU4-3/A1	42-10121
	5m	SAL-8-RSWU3-5/A1	42-10090	SAL-8-RSWU4-5/A1	42-10122
	10m	SAL-8-RSWU3-10/A1	42-10091	SAL-8-RSWU4-10/A1	42-10123
TPU, high flexible	2m	SAL-8-RSWU3-2/K1	42-10092	SAL-8-RSWU4-2/K1	42-10124
halogenfree, UL	3m	SAL-8-RSWU3-3/K1	42-10093	SAL-8-RSWU4-3/K1	42-10125
black	5m	SAL-8-RSWU3-5/K1	42-10094	SAL-8-RSWU4-5/K1	42-10126
Li9Y11Y 0,25mm ²	10m	SAL-8-RSWU3-10/K1	42-10095	SAL-8-RSWU4-10/K1	42-10127

For custom length or quality levels contact factory.

SAL M8x1 CONNECTORS

Connecting cable

Female connector M8x1, axial, screwable – Male connector M8x1, axial, screwable



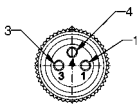
TECHNICAL DATA

Rated voltage	3-pos 60V	4-pos 30V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	=10 ⁹ Ω	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +80°C	
Mating cycles	<=100	

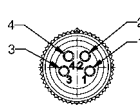
DIRECTIVE 2002 95 EC
"RoHS"
COMPLIANT

PIN CONFIGURATION

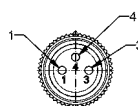
3-pos female



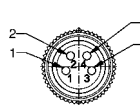
4-pos female



3-pos male



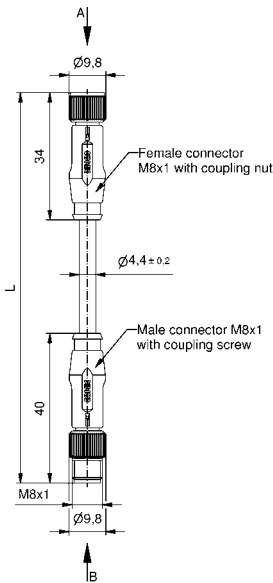
4-pos male



CONTACT ASSIGNMENT 3 - 4-POS

■ brown	1
■ white	2
■ blue	3
■ black	4

DIMENSION DRAWING



ORDER DATA

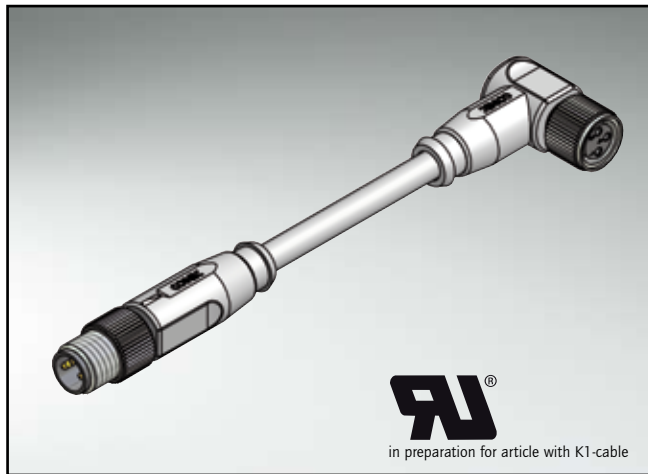
Cable	Length/L	Description	3-pos Part-no.	Description	4-pos Part-no.
PVC, grey LiYY 0,25mm ²	0,3m	SAL-8-RK3-RS3-0,3/A1	42-10141	SAL-8-RK4-RS4-0,3/A1	42-10157
	0,6m	SAL-8-RK3-RS3-0,6/A1	42-10142	SAL-8-RK4-RS4-0,6/A1	42-10158
	1,5m	SAL-8-RK3-RS3-1,5/A1	42-10143	SAL-8-RK4-RS4-1,5/A1	42-10159
	3,0m	SAL-8-RK3-RS3-3/A1	42-10144	SAL-8-RK4-RS4-3/A1	42-10160
TPU, high flexible halogenfree, UL black Li9Y11Y 0,25mm ²	0,3m	SAL-8-RK3-RS3-0,3/K1	42-10145	SAL-8-RK4-RS4-0,3/K1	42-10161
	0,6m	SAL-8-RK3-RS3-0,6/K1	42-10146	SAL-8-RK4-RS4-0,6/K1	42-10162
	1,5m	SAL-8-RK3-RS3-1,5/K1	42-10147	SAL-8-RK4-RS4-1,5/K1	42-10163
	3,0m	SAL-8-RK3-RS3-3/K1	42-10148	SAL-8-RK4-RS4-3/K1	42-10164

For custom length or quality levels contact factory.

SAL M8x1 CONNECTORS

Connecting cable

Female connector M8x1, angled, screwable – Male connector M8x1, axial, screwable



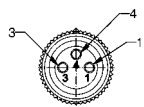
TECHNICAL DATA

Rated voltage	3-pos 60V	4-pos 30V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	=10 ⁹ Ω	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +80°C	
Mating cycles	<=100	

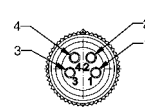
DIRECTIVE 2002/95/EC
"RoHS"
COMPLIANT

PIN CONFIGURATION

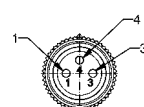
3-pos female



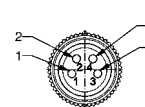
4-pos female



3-pos male



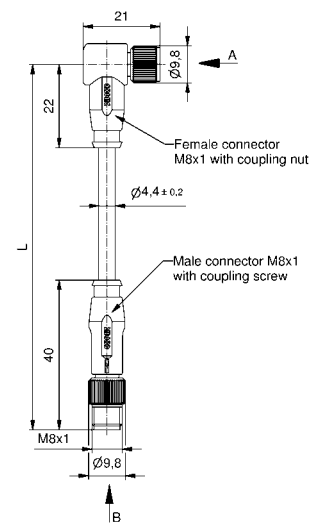
4-pos male



CONTACT ASSIGNMENT 3 - 4-POS

■ brown	1
■ white	2
■ blue	3
■ black	4

DIMENSION DRAWING



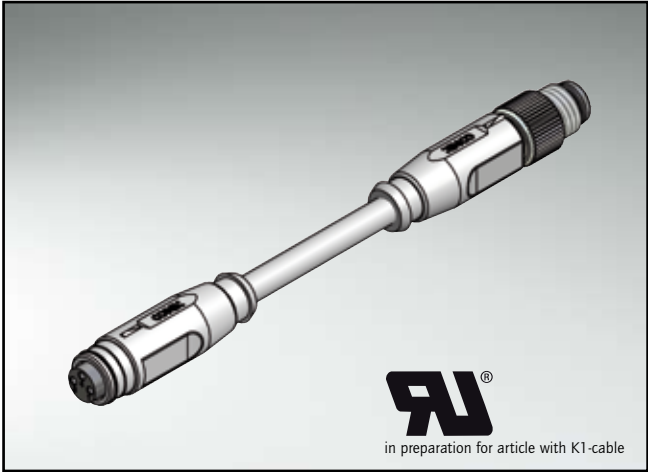
ORDER DATA

Cable	Length/L	Description	3-pos Part-no.	Description	4-pos Part-no.
PVC, grey LiYY 0,25mm ²	0,3m	SAL-8-RKW3-RS3-0,3/A1	42-10149	SAL-8-RKW4-RS4-0,3/A1	42-10165
	0,6m	SAL-8-RKW3-RS3-0,6/A1	42-10150	SAL-8-RKW4-RS4-0,6/A1	42-10166
	1,5m	SAL-8-RKW3-RS3-1,5/A1	42-10151	SAL-8-RKW4-RS4-1,5/A1	42-10167
	3,0m	SAL-8-RKW3-RS3-3/A1	42-10152	SAL-8-RKW4-RS4-3/A1	42-10168
TPU, high flexible halogenfree, UL black Li9Y11Y 0,25mm ²	0,3m	SAL-8-RKW3-RS3-0,3/K1	42-10153	SAL-8-RKW4-RS4-0,3/K1	42-10169
	0,6m	SAL-8-RKW3-RS3-0,6/K1	42-10154	SAL-8-RKW4-RS4-0,6/K1	42-10170
	1,5m	SAL-8-RKW3-RS3-1,5/K1	42-10155	SAL-8-RKW4-RS4-1,5/K1	42-10171
	3,0m	SAL-8-RKW3-RS3-3/K1	42-10156	SAL-8-RKW4-RS4-3/K1	42-10172

For custom length or quality levels contact factory.

SAL M8x1/Ø8MM CONNECTORS

Connecting cable Female connector Ø8mm, axial, snap-in –
Male connector M8x1/Ø8mm, axial, screwable/snap-in



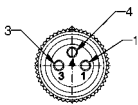
TECHNICAL DATA

Rated voltage	3-pos 60V	4-pos 30V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	=10 ⁹ Ω	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +80°C	
Mating cycles	<=100	

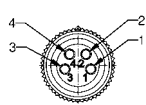
DIRECTIVE 2002 95 EC
"RoHS"
COMPLIANT

PIN CONFIGURATION

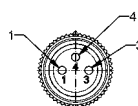
3-pos female



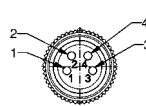
4-pos female



3-pos male



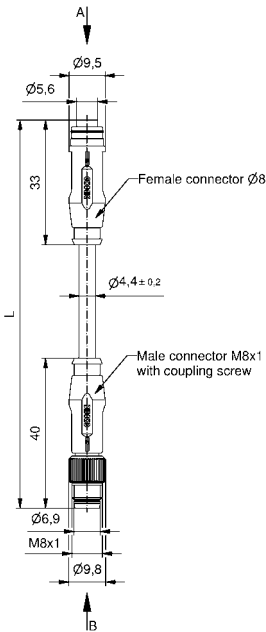
4-pos male



CONTACT ASSIGNMENT 3 - 4-POS

■ brown	1
■ white	2
■ blue	3
■ black	4

DIMENSION DRAWING



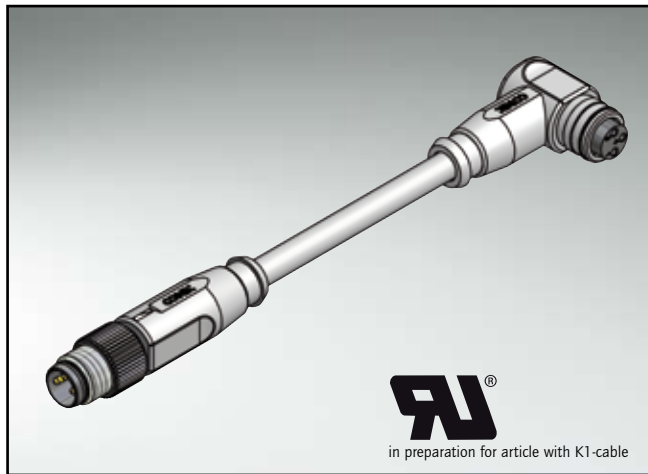
ORDER DATA

Cable	Length/L	Description	3-pos Part-no.	Description	4-pos Part-no.
PVC, grey LiYY 0,25mm ²	0,3m	SAL-8-RKS3-RSU3-0,3/A1	42-10173	SAL-8-RKS4-RSU4-0,3/A1	42-10189
	0,6m	SAL-8-RKS3-RSU3-0,6/A1	42-10174	SAL-8-RKS4-RSU4-0,6/A1	42-10190
	1,5m	SAL-8-RKS3-RSU3-1,5/A1	42-10175	SAL-8-RKS4-RSU4-1,5/A1	42-10191
	3,0m	SAL-8-RKS3-RSU3-3/A1	42-10176	SAL-8-RKS4-RSU4-3/A1	42-10192
TPU, high flexible halogenfree, UL black Li9Y11Y 0,25mm ²	0,3m	SAL-8-RKS3-RSU3-0,3/K1	42-10177	SAL-8-RKS4-RSU4-0,3/K1	42-10193
	0,6m	SAL-8-RKS3-RSU3-0,6/K1	42-10178	SAL-8-RKS4-RSU4-0,6/K1	42-10194
	1,5m	SAL-8-RKS3-RSU3-1,5/K1	42-10179	SAL-8-RKS4-RSU4-1,5/K1	42-10195
	3,0m	SAL-8-RKS3-RSU3-3/K1	42-10180	SAL-8-RKS4-RSU4-3/K1	42-10196

For custom length or quality levels contact factory.

SAL M8x1/Ø8MM CONNECTORS

Connecting cable Female connector Ø8mm, angled, snap-in –
Male connector M8x1/Ø8mm, axial, screwable/snap-in



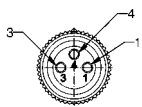
TECHNICAL DATA

Rated voltage	3-pos 60V	4-pos 30V
Current rating	4A at +40°C	
Pollution degree	3/2	
Insulation resistance	=10 ⁹ Ω	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +80°C	
Mating cycles	<=100	

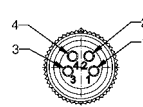
DIRECTIVE 2002/95/EC
"RoHS"
COMPLIANT

PIN CONFIGURATION

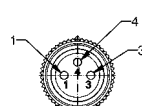
3-pos female



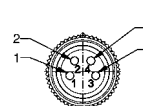
4-pos female



3-pos male



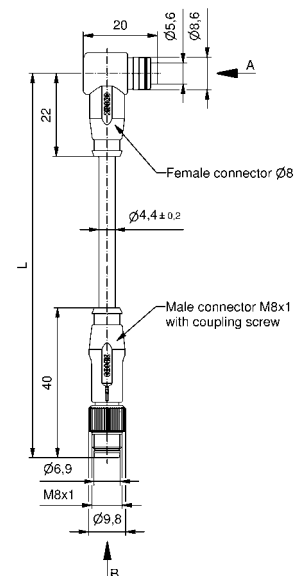
4-pos male



CONTACT ASSIGNMENT 3 - 4-POS

■ brown	1
■ white	2
■ blue	3
■ black	4

DIMENSION DRAWING



ORDER DATA

Cable	Length/L	Description	3-pos Part-no.	Description	4-pos Part-no.
PVC, grey LiYY 0,25mm ²	0,3m	SAL-8-RKWS3-RSU3-0,3/A1	42-10181	SAL-8-RKWS4-RSU4-0,3/A1	42-10197
	0,6m	SAL-8-RKWS3-RSU3-0,6/A1	42-10182	SAL-8-RKWS4-RSU4-0,6/A1	42-10198
	1,5m	SAL-8-RKWS3-RSU3-1,5/A1	42-10183	SAL-8-RKWS4-RSU4-1,5/A1	42-10199
	3,0m	SAL-8-RKWS3-RSU3-3/A1	42-10184	SAL-8-RKWS4-RSU4-3/A1	42-10200
TPU, high flexible halogenfree, UL black Li9Y11Y 0,25mm ²	0,3m	SAL-8-RKWS3-RSU3-0,3/K1	42-10185	SAL-8-RKWS4-RSU4-0,3/K1	42-10201
	0,6m	SAL-8-RKWS3-RSU3-0,6/K1	42-10186	SAL-8-RKWS4-RSU4-0,6/K1	42-10202
	1,5m	SAL-8-RKWS3-RSU3-1,5/K1	42-10187	SAL-8-RKWS4-RSU4-1,5/K1	42-10203
	3,0m	SAL-8-RKWS3-RSU3-3/K1	42-10188	SAL-8-RKWS4-RSU4-3/K1	42-10204

For custom length or quality levels contact factory.

SECTION 8

CONNECTORS 7/8"





Round connector-systems with a 7/8"-16 UN thread according to ANSI/B93.55M are proper for applications with increasing power requirement up to 16A as well as higher working voltages e.g. the feed-in of field-devices in the area of automation technics. Insertion in a tough and harsh environment is possible.

The current versions are equipped screwable and got a screwing concept with self-locking (anti-vibration locking).

The 7/8"-family contains versions with overmoulded cable as well as field-attachable components.



SAL 7/8" CONNECTORS OVERMOULDED

Nomenclature

	S	A	L	-	7	/	8	-	R	K	W	4	-	2	/	A	3	/	150
SAL Sensor Actor Line																			
Installation size 7/8 = 7/8"																			
Building R = Circular connector																			
Configuration K = Female connector S = Male connector																			
Building = Axial W = Angled																			
Number of poles 2PE = 2-pos + Ground 4 = 4-pos 4PE = 4-pos + Ground																			
Cable length XX = Length [m]																			
Cable quality A3 = PVC, grey, UL K1 = TPU, black, UL																			
Wire cross-section = 0,75mm ² 150 = 1,5mm ²																			

SAL 7/8" CONNECTORS OVERMOULDED

Technical Data

Basic material	
Contact	CuZn
Contact plating	Nickel plated, gold-plated
Contact carrier	TPU, UL 94
Moulding body	TPU, UL 94
Coupling nut/-screw	CuZn, nickel-plated

Information on the following pages are basing on below mentioned IEC-standards.

Rated voltage	IEC 60664-1
Current rating	IEC 60512-3
Insulation resistance	IEC 60512-2
Pollution degree	IEC 60664-1
Degree of protection	IEC 60529
Temperature range	IEC 60664-1
Mating cycles	IEC 60512-9a

Technical subject to change without notice.

SAL 7/8" CONNECTORS FIELD-ATTACHABLE

Nomenclature

S A L - 7 / 8 - R K C 4 - S

SAL
Sensor Actor Line

Installation size
7/8 = 7/8"

Building
R = Circular connector

Configuration
K = Female connector
S = Male connector

Building
C = Field-attachable

Number of poles
2PE = 2-pos + Ground
4 = 4-pos
4PE = 4-pos + Ground

Type of connection
S = Screw-termination

SAL 7/8" CONNECTORS FIELD-ATTACHABLE

Technical Data

Basic material	
Contact	CuZn
Contact plating	Nickel plated, gold-plated
Contact carrier	TPU, UL 94
Gehäuse	PA6 GF, UL 94
Cabledichtung	Elastomere
Coupling nut/-screw	CuZn, nickel-plated

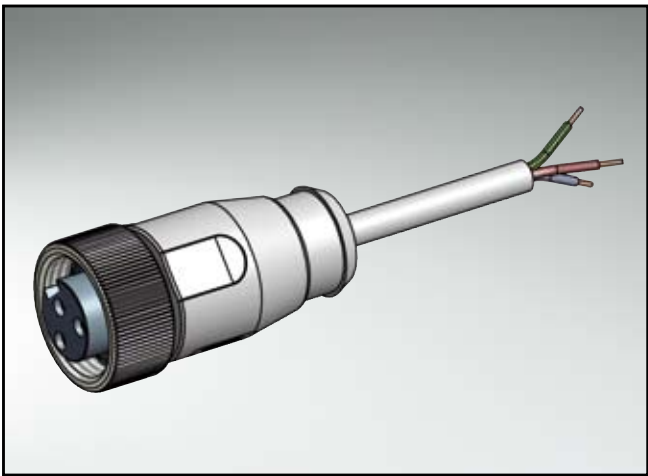
Information on the following pages are basing on below mentioned IEC-standards.

Rated voltage	IEC 60664-1
Current rating	IEC 60512-3
Insulation resistance	IEC 60512-2
Pollution degree	IEC 60664-1
Degree of protection	IEC 60529
Temperature range	IEC 60664-1
Mating cycles	IEC 60512-9a

Technical subject to change without notice.

SAL 7/8" CONNECTORS

Female connector, axial

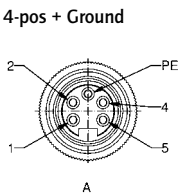
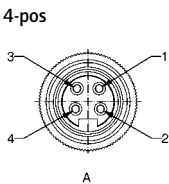
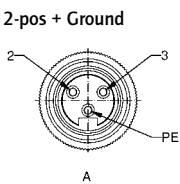


TECHNICAL DATA

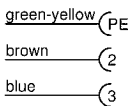
Rated voltage	2-pos + GND 4-pos 4-pos + GND 400V 300V 300V
Current rating	8A at +40°C
Pollution degree	3/2
Insulation resistance	=10 ⁹ Ω
Degree of protection	IP68 in mated condition
Temperature range	-30°C to +80°C
Mating cycles	<=100

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"RoHS"
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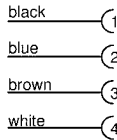
PIN CONFIGURATION



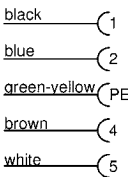
CONTACT ASSIGNMENT 2-POS + GROUND



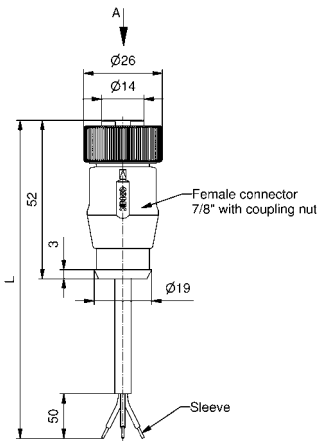
CONTACT ASSIGNMENT 4-POS



CONTACT ASSIGNMENT 4-POS + GROUND



DIMENSION DRAWING



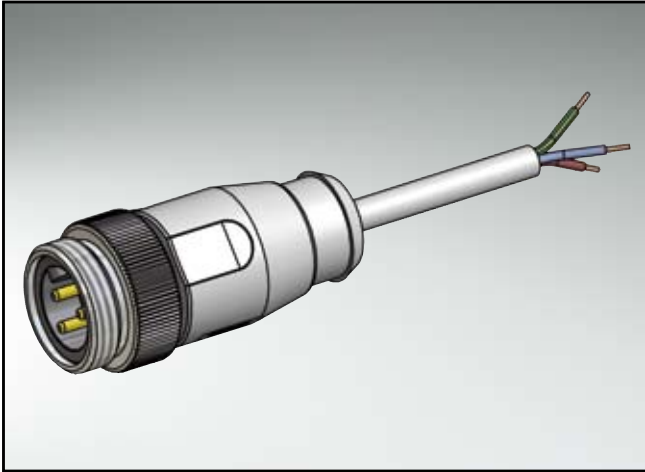
ORDER DATA

Cable	Length/L	Description	2-pos + Ground Part-no.	Description	4-pos Part-no.	Description	4-pos + Ground Part-no.
PVC, UL	2m	SAL-7/8-RK2PE-2/A3	41-01000	SAL-7/8-RK4-2/A3	41-01032	SAL-7/8-RK4PE-2/A3	41-01064
grey	3m	SAL-7/8-RK2PE-3/A3	41-01001	SAL-7/8-RK4-3/A3	41-01033	SAL-7/8-RK4PE-3/A3	41-01065
LiYY 0,75mm ²	5m	SAL-7/8-RK2PE-5/A3	41-01002	SAL-7/8-RK4-5/A3	41-01034	SAL-7/8-RK4PE-5/A3	41-01066
	10m	SAL-7/8-RK2PE-10/A3	41-01003	SAL-7/8-RK4-10/A3	41-01035	SAL-7/8-RK4PE-10/A3	41-01067
TPU, high flexible	2m	SAL-7/8-RK2PE-2/K1	41-01004	SAL-7/8-RK4-2/K1	41-01036	SAL-7/8-RK4PE-2/K1	41-01068
halogenfree, UL	3m	SAL-7/8-RK2PE-3/K1	41-01005	SAL-7/8-RK4-3/K1	41-01037	SAL-7/8-RK4PE-3/K1	41-01069
black	5m	SAL-7/8-RK2PE-5/K1	41-01006	SAL-7/8-RK4-5/K1	41-01038	SAL-7/8-RK4PE-5/K1	41-01070
Li9Y11Y 0,75mm ²	10m	SAL-7/8-RK2PE-10/K1	41-01007	SAL-7/8-RK4-10/K1	41-01039	SAL-7/8-RK4PE-10/K1	41-01071

For custom length or quality levels contact factory.

SAL 7/8" CONNECTORS

Male connector, axial



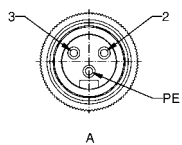
TECHNICAL DATA

Rated voltage	2-pos + GND 400V	4-pos 300V	4-pos + GND 300V
Current rating	8A at +40°C		
Pollution degree	3/2		
Insulation resistance	=10 ⁹ Ω		
Degree of protection	IP68 in mated condition		
Temperature range	-30°C to +80°C		
Mating cycles	<=100		

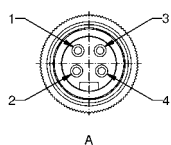
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

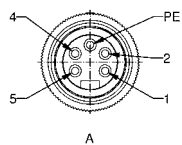
2-pos + Ground



4-pos



4-pos + Ground



CONTACT ASSIGNMENT 2-POS + GROUND

green-yellow	PE
brown	2
blue	3

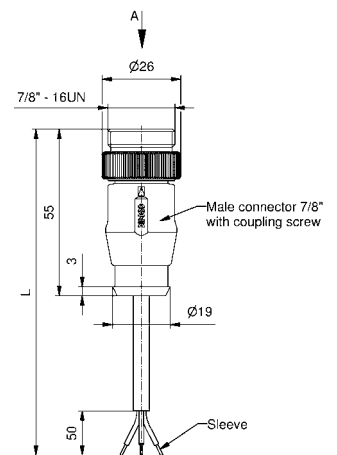
CONTACT ASSIGNMENT 4-POS

black	1
blue	2
brown	3
white	4

CONTACT ASSIGNMENT 4-POS + GROUND

black	1
blue	2
green-yellow	PE
brown	4
white	5

DIMENSION DRAWING



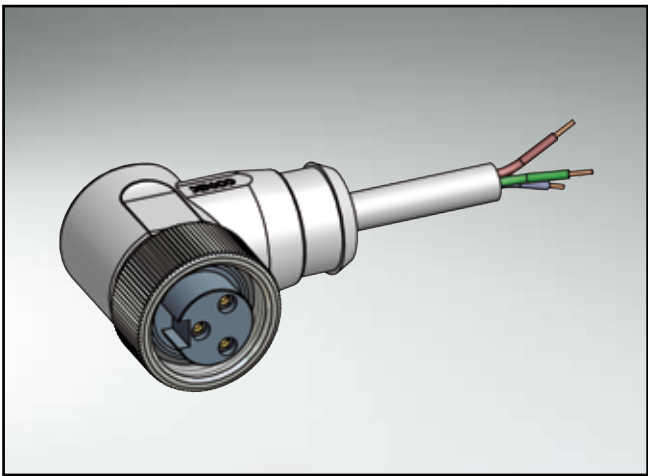
ORDER DATA

Cable	Length/L	Description	2-pos + Ground Part-no.	Description	4-pos Part-no.	Description	4-pos + Ground Part-no.
PVC, UL	2m	SAL-7/8-RS2PE-2/A3	41-01008	SAL-7/8-RS4-2/A3	41-01040	SAL-7/8-RS4PE-2/A3	41-01072
grey	3m	SAL-7/8-RS2PE-3/A3	41-01009	SAL-7/8-RS4-3/A3	41-01041	SAL-7/8-RS4PE-3/A3	41-01073
LiYY 0,75mm ²	5m	SAL-7/8-RS2PE-5/A3	41-01010	SAL-7/8-RS4-5/A3	41-01042	SAL-7/8-RS4PE-5/A3	41-01074
	10m	SAL-7/8-RS2PE-10/A3	41-01011	SAL-7/8-RS4-10/A3	41-01043	SAL-7/8-RS4PE-10/A3	41-01075
TPU, high flexible	2m	SAL-7/8-RS2PE-2/K1	41-01012	SAL-7/8-RS4-2/K1	41-01044	SAL-7/8-RS4PE-2/K1	41-01076
halogenfree, UL	3m	SAL-7/8-RS2PE-3/K1	41-01013	SAL-7/8-RS4-3/K1	41-01045	SAL-7/8-RS4PE-3/K1	41-01077
black	5m	SAL-7/8-RS2PE-5/K1	41-01014	SAL-7/8-RS4-5/K1	41-01046	SAL-7/8-RS4PE-5/K1	41-01078
Li9Y11Y 0,75mm ²	10m	SAL-7/8-RS2PE-10/K1	41-01015	SAL-7/8-RS4-10/K1	41-01047	SAL-7/8-RS4PE-10/K1	41-01079

For custom length or quality levels contact factory.

SAL 7/8" CONNECTORS

Female connector, angled



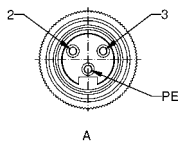
TECHNICAL DATA

Rated voltage	2-pos + GND 400V	4-pos 300V	4-pos + GND 300V
Current rating	8A at +40°C		
Pollution degree	3/2		
Insulation resistance	=10 ⁹ Ω		
Degree of protection	IP68 in mated condition		
Temperature range	-30°C to +80°C		
Mating cycles	<=100		

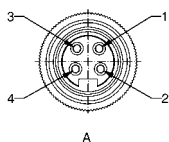
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

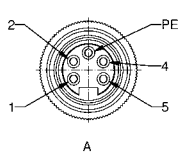
2-pos + Ground



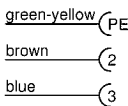
4-pos



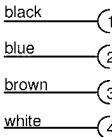
4-pos + Ground



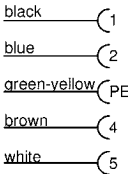
CONTACT ASSIGNMENT 2-POS + GROUND



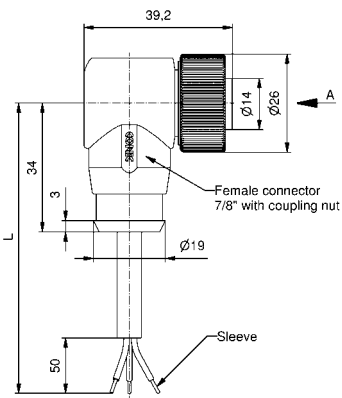
CONTACT ASSIGNMENT 4-POS



CONTACT ASSIGNMENT 4-POS + GROUND



DIMENSION DRAWING



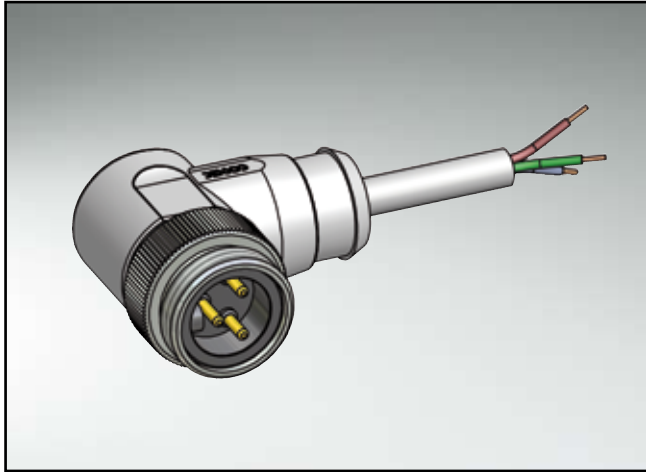
ORDER DATA

Cable	Length/L	Description	2-pos + Ground Part-no.	Description	4-pos Part-no.	Description	4-pos + Ground Part-no.
PVC, UL	2m	SAL-7/8-RKW2PE-2/A3	41-01016	SAL-7/8-RKW4-2/A3	41-01048	SAL-7/8-RKW4PE-2/A3	41-01080
grey	3m	SAL-7/8-RKW2PE-3/A3	41-01017	SAL-7/8-RKW4-3/A3	41-01049	SAL-7/8-RKW4PE-3/A3	41-01081
LiYY 0,75mm ²	5m	SAL-7/8-RKW2PE-5/A3	41-01018	SAL-7/8-RKW4-5/A3	41-01050	SAL-7/8-RKW4PE-5/A3	41-01082
	10m	SAL-7/8-RKW2PE-10/A3	41-01019	SAL-7/8-RKW4-10/A3	41-01051	SAL-7/8-RKW4PE-10/A3	41-01083
TPU, high flexible	2m	SAL-7/8-RKW2PE-2/K1	41-01020	SAL-7/8-RKW4-2/K1	41-01052	SAL-7/8-RKW4PE-2/K1	41-01084
halogenfree, UL	3m	SAL-7/8-RKW2PE-3/K1	41-01021	SAL-7/8-RKW4-3/K1	41-01053	SAL-7/8-RKW4PE-3/K1	41-01085
black	5m	SAL-7/8-RKW2PE-5/K1	41-01022	SAL-7/8-RKW4-5/K1	41-01054	SAL-7/8-RKW4PE-5/K1	41-01086
Li9Y11Y 0,75mm ²	10m	SAL-7/8-RKW2PE-10/K1	41-01023	SAL-7/8-RKW4-10/K1	41-01055	SAL-7/8-RKW4PE-10/K1	41-01087

For custom length or quality levels contact factory.

SAL 7/8" CONNECTORS

Male connector, angled



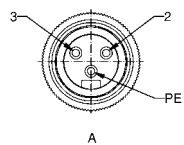
TECHNICAL DATA

Rated voltage	2-pos + GND 400V	4-pos 300V	4-pos + GND 300V
Current rating	8A at +40°C		
Pollution degree	3/2		
Insulation resistance	=10 ⁹ Ω		
Degree of protection	IP68 in mated condition		
Temperature range	-30°C to +80°C		
Mating cycles	<=100		

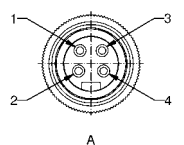
Directive 2002/95/EC
"RoHS"
Compliant

PIN CONFIGURATION

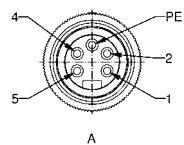
2-pos + Ground



4-pos



4-pos + Ground



CONTACT ASSIGNMENT 2-POS + GROUND

green-yellow	PE
brown	2
blue	3

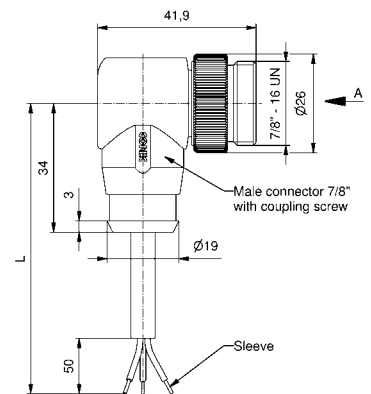
CONTACT ASSIGNMENT 4-POS

black	1
blue	2
brown	3
white	4

CONTACT ASSIGNMENT 4-POS + GROUND

black	1
blue	2
green-yellow	PE
brown	4
white	5

DIMENSION DRAWING



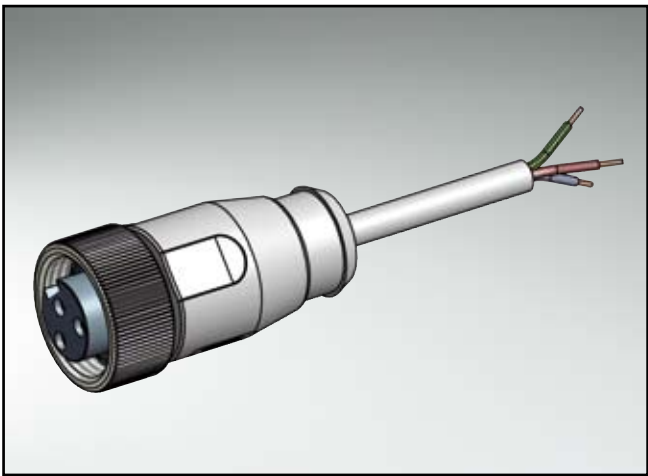
ORDER DATA

Cable	Length/L	Description	2-pos + Ground Part-no.	Description	4-pos Part-no.	Description	4-pos + Ground Part-no.
PVC, UL	2m	SAL-7/8-RSW2PE-2/A3	41-01024	SAL-7/8-RSW4-2/A3	41-01056	SAL-7/8-RSW4PE-2/A3	41-01088
grey	3m	SAL-7/8-RSW2PE-3/A3	41-01025	SAL-7/8-RSW4-3/A3	41-01057	SAL-7/8-RSW4PE-3/A3	41-01089
LiYY 0,75mm ²	5m	SAL-7/8-RSW2PE-5/A3	41-01026	SAL-7/8-RSW4-5/A3	41-01058	SAL-7/8-RSW4PE-5/A3	41-01090
	10m	SAL-7/8-RSW2PE-10/A3	41-01027	SAL-7/8-RSW4-10/A3	41-01059	SAL-7/8-RSW4PE-10/A3	41-01091
TPU, high flexible	2m	SAL-7/8-RSW2PE-2/K1	41-01028	SAL-7/8-RSW4-2/K1	41-01060	SAL-7/8-RSW4PE-2/K1	41-01092
halogenfree, UL	3m	SAL-7/8-RSW2PE-3/K1	41-01029	SAL-7/8-RSW4-3/K1	41-01061	SAL-7/8-RSW4PE-3/K1	41-01093
black	5m	SAL-7/8-RSW2PE-5/K1	41-01030	SAL-7/8-RSW4-5/K1	41-01062	SAL-7/8-RSW4PE-5/K1	41-01094
Li9Y11Y 0,75mm ²	10m	SAL-7/8-RSW2PE-10/K1	41-01031	SAL-7/8-RSW4-10/K1	41-01063	SAL-7/8-RSW4PE-10/K1	41-01095

For custom length or quality levels contact factory.

SAL 7/8" CONNECTORS

Female connector, axial

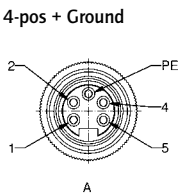
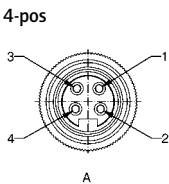
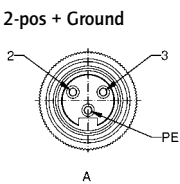


TECHNICAL DATA

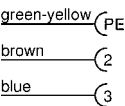
Rated voltage	2-pos + GND 400V	4-pos 300V	4-pos + GND 300V
Current rating	2-pos + GND: 12A at +40°C 4-pos/4-pos + GND: 10A at +40°C		
Pollution degree	3/2		
Insulation resistance	= 10 ⁹ Ω		
Degree of protection	IP68 in mated condition		
Temperature range	-30°C to +80°C		
Mating cycles	<=100		

Directive 2002 95 EC
"RoHS"
Compliant

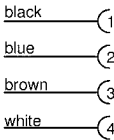
PIN CONFIGURATION



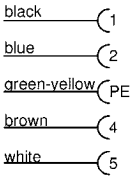
CONTACT ASSIGNMENT 2-POS + GROUND



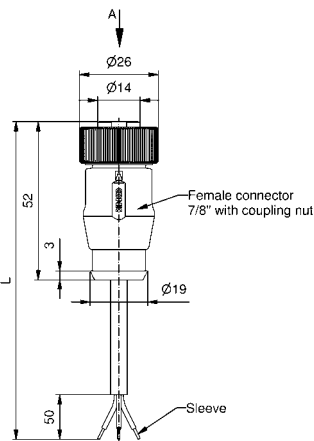
CONTACT ASSIGNMENT 4-POS



CONTACT ASSIGNMENT 4-POS + GROUND



DIMENSION DRAWING



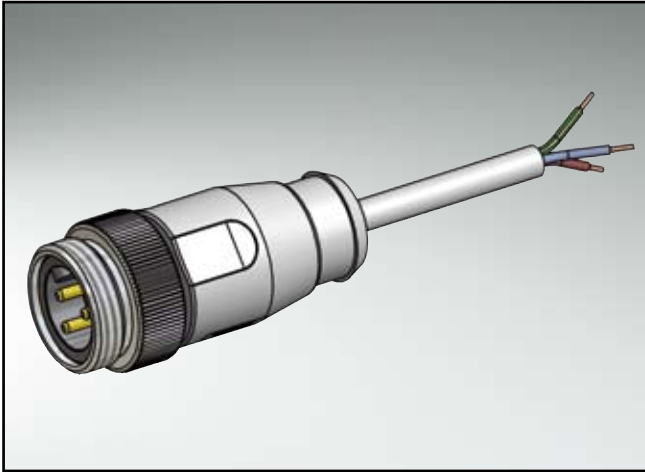
ORDER DATA

Cable	Length/L	Description	2-pos + Ground Part-no.	Description	4-pos Part-no.	Description	4-pos + Ground Part-no.
PVC, UL grey LiYY 1,50mm ²	2m	SAL-7/8-RK2PE-2/A3/150	41-01097	SAL-7/8-RK4-2/A3/150	41-01129	SAL-7/8-RK4PE-2/A3/150	41-01161
	3m	SAL-7/8-RK2PE-3/A3/150	41-01098	SAL-7/8-RK4-3/A3/150	41-01130	SAL-7/8-RK4PE-3/A3/150	41-01162
	5m	SAL-7/8-RK2PE-5/A3/150	41-01099	SAL-7/8-RK4-5/A3/150	41-01131	SAL-7/8-RK4PE-5/A3/150	41-01163
	10m	SAL-7/8-RK2PE-10/A3/150	41-01100	SAL-7/8-RK4-10/A3/150	41-01132	SAL-7/8-RK4PE-10/A3/150	41-01164
TPU, high flexible halogenfree, UL black Li9Y11Y 1,50mm ²	2m	SAL-7/8-RK2PE-2/K1/150	41-01101	SAL-7/8-RK4-2/K1/150	41-01133	SAL-7/8-RK4PE-2/K1/150	41-01165
	3m	SAL-7/8-RK2PE-3/K1/150	41-01102	SAL-7/8-RK4-3/K1/150	41-01134	SAL-7/8-RK4PE-3/K1/150	41-01166
	5m	SAL-7/8-RK2PE-5/K1/150	41-01103	SAL-7/8-RK4-5/K1/150	41-01135	SAL-7/8-RK4PE-5/K1/150	41-01167
	10m	SAL-7/8-RK2PE-10/K1/150	41-01104	SAL-7/8-RK4-10/K1/150	41-01136	SAL-7/8-RK4PE-10/K1/150	41-01168

For custom length or quality levels contact factory.

SAL 7/8" CONNECTORS

Male connector, axial



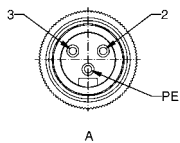
TECHNICAL DATA

Rated voltage	2-pos + GND 400V	4-pos 300V	4-pos + GND 300V
Current rating	2-pos + GND: 12A at +40°C 4-pos/4-pos + GND: 10A at +40°C		
Pollution degree	3/2		
Insulation resistance	= 10 ⁹ Ω		
Degree of protection	IP68 in mated condition		
Temperature range	-30°C to +80°C		
Mating cycles	<=100		

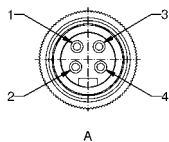
Directive 2002/95/EC
"RoHS"
Compliant

PIN CONFIGURATION

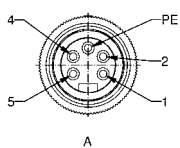
2-pos + Ground



4-pos



4-pos + Ground



CONTACT ASSIGNMENT 2-POS + GROUND

green-yellow	PE
brown	2
blue	3

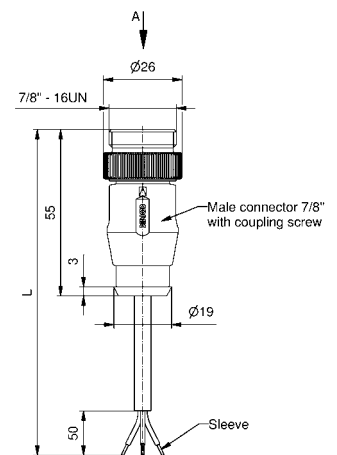
CONTACT ASSIGNMENT 4-POS

black	1
blue	2
brown	3
white	4

CONTACT ASSIGNMENT 4-POS + GROUND

black	1
blue	2
green-yellow	PE
brown	4
white	5

DIMENSION DRAWING



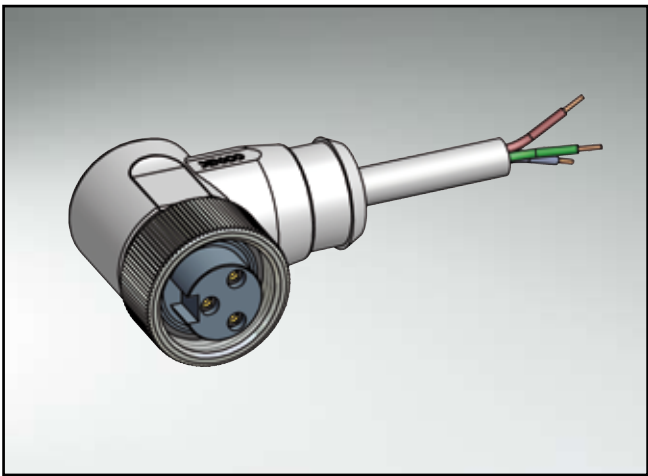
ORDER DATA

Cable	Length/L	Description	2-pos + Ground Part-no.	Description	4-pos Part-no.	Description	4-pos + Ground Part-no.
PVC, UL grey LiYY 1,50mm ²	2m	SAL-7/8-RS2PE-2/A3/150	41-01105	SAL-7/8-RS4-2/A3/150	41-01137	SAL-7/8-RS4PE-2/A3/150	41-01169
	3m	SAL-7/8-RS2PE-3/A3/150	41-01106	SAL-7/8-RS4-3/A3/150	41-01138	SAL-7/8-RS4PE-3/A3/150	41-01170
	5m	SAL-7/8-RS2PE-5/A3/150	41-01107	SAL-7/8-RS4-5/A3/150	41-01139	SAL-7/8-RS4PE-5/A3/150	41-01171
	10m	SAL-7/8-RS2PE-10/A3/150	41-01108	SAL-7/8-RS4-10/A3/150	41-01140	SAL-7/8-RS4PE-10/A3/150	41-01172
TPU, high flexible halogenfree, UL black Li9Y11Y 1,50mm ²	2m	SAL-7/8-RS2PE-2/K1/150	41-01109	SAL-7/8-RS4-2/K1/150	41-01141	SAL-7/8-RS4PE-2/K1/150	41-01173
	3m	SAL-7/8-RS2PE-3/K1/150	41-01110	SAL-7/8-RS4-3/K1/150	41-01142	SAL-7/8-RS4PE-3/K1/150	41-01174
	5m	SAL-7/8-RS2PE-5/K1/150	41-01111	SAL-7/8-RS4-5/K1/150	41-01143	SAL-7/8-RS4PE-5/K1/150	41-01175
	10m	SAL-7/8-RS2PE-10/K1/150	41-01112	SAL-7/8-RS4-10/K1/150	41-01144	SAL-7/8-RS4PE-10/K1/150	41-01176

Andere Lengthn und Leitungsaufbauten auf Anfrage

SAL 7/8" CONNECTORS

Female connector, angled

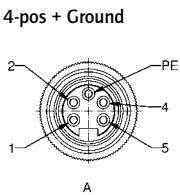
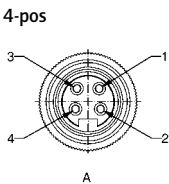
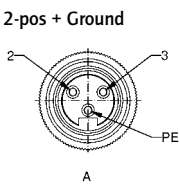


TECHNICAL DATA

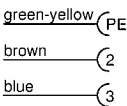
Rated voltage	2-pos + GND 400V	4-pos 300V	4-pos + GND 300V
Current rating	2-pos + GND: 12A at +40°C 4-pos/4-pos + GND: 10A at +40°C		
Pollution degree	3/2		
Insulation resistance	= 10 ⁹ Ω		
Degree of protection	IP68 in mated condition		
Temperature range	-30°C to +80°C		
Mating cycles	<=100		

Directive 2002 95 EC
"RoHS"
Compliant

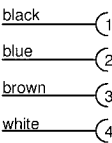
PIN CONFIGURATION



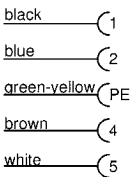
CONTACT ASSIGNMENT 2-POS + GROUND



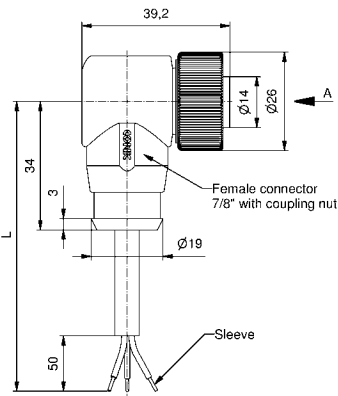
CONTACT ASSIGNMENT 4-POS



CONTACT ASSIGNMENT 4-POS + GROUND



DIMENSION DRAWING



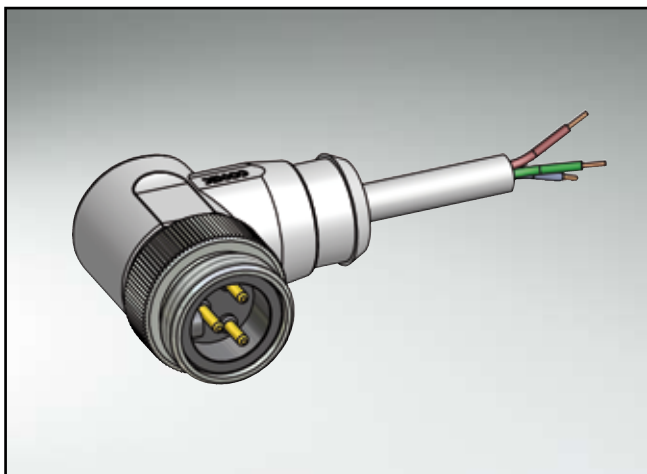
ORDER DATA

Cable	Length/L	Description	2-pos + Ground Part-no.	Description	4-pos Part-no.	Description	4-pos + Ground Part-no.
PVC, UL grey LiYY 1,50mm ²	2m	SAL-7/8-RKW2PE-2/A3/150	41-01113	SAL-7/8-RKW4-2/A3/150	41-01145	SAL-7/8-RKW4PE-2/A3/150	41-01177
	3m	SAL-7/8-RKW2PE-3/A3/150	41-01114	SAL-7/8-RKW4-3/A3/150	41-01146	SAL-7/8-RKW4PE-3/A3/150	41-01178
	5m	SAL-7/8-RKW2PE-5/A3/150	41-01115	SAL-7/8-RKW4-5/A3/150	41-01147	SAL-7/8-RKW4PE-5/A3/150	41-01179
	10m	SAL-7/8-RKW2PE-10/A3/150	41-01116	SAL-7/8-RKW4-10/A3/150	41-01148	SAL-7/8-RKW4PE-10/A3/150	41-01180
TPU, high flexible halogenfree, UL black Li9Y11Y 1,50mm ²	2m	SAL-7/8-RKW2PE-2/K1/150	41-01117	SAL-7/8-RKW4-2/K1/150	41-01149	SAL-7/8-RKW4PE-2/K1/150	41-01181
	3m	SAL-7/8-RKW2PE-3/K1/150	41-01118	SAL-7/8-RKW4-3/K1/150	41-01150	SAL-7/8-RKW4PE-3/K1/150	41-01182
	5m	SAL-7/8-RKW2PE-5/K1/150	41-01119	SAL-7/8-RKW4-5/K1/150	41-01151	SAL-7/8-RKW4PE-5/K1/150	41-01183
	10m	SAL-7/8-RKW2PE-10/K1/150	41-01120	SAL-7/8-RKW4-10/K1/150	41-01152	SAL-7/8-RKW4PE-10/K1/150	41-01184

For custom length or quality levels contact factory.

SAL 7/8" CONNECTORS

Male connector, angled



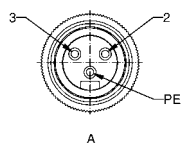
TECHNICAL DATA

Rated voltage	2-pos + GND 400V	4-pos 300V	4-pos + GND 300V
Current rating	2-pos + GND: 12A at +40°C 4-pos/4-pos + GND: 10A at +40°C		
Pollution degree	3/2		
Insulation resistance	= 10 ⁹ Ω		
Degree of protection	IP68 in mated condition		
Temperature range	-30°C to +80°C		
Mating cycles	<=100		

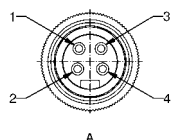
Directive 2002/95/EC
"RoHS"
Compliant

PIN CONFIGURATION

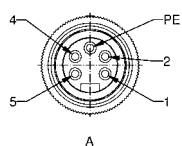
2-pos + Ground



4-pos



4-pos + Ground



CONTACT ASSIGNMENT 2-POS + GROUND

green-yellow	PE
brown	2
blue	3

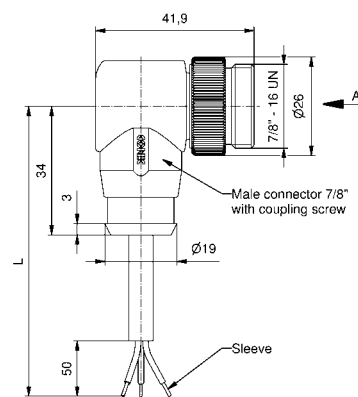
CONTACT ASSIGNMENT 4-POS

black	1
blue	2
brown	3
white	4

CONTACT ASSIGNMENT 4-POS + GROUND

black	1
blue	2
green-yellow	PE
brown	4
white	5

DIMENSION DRAWING



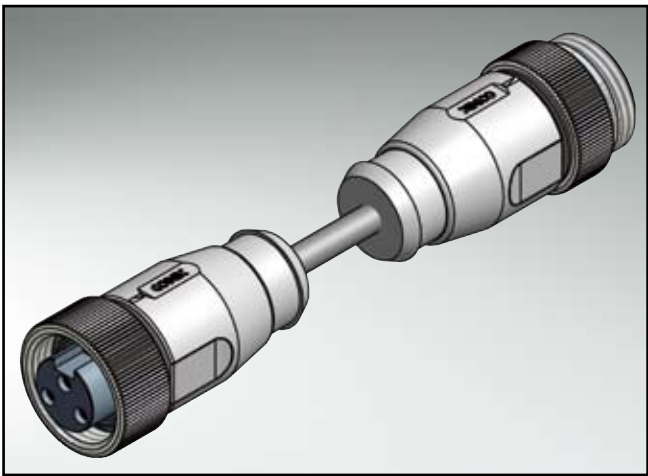
ORDER DATA

Cable	Length/L	Description	2-pos + Ground Part-no.	Description	4-pos Part-no.	Description	4-pos + Ground Part-no.
PVC, UL	2m	SAL-7/8-RSW2PE-2/A3/150	41-01121	SAL-7/8-RSW4-2/A3/150	41-01153	SAL-7/8-RSW4PE-2/A3/150	41-01185
grey	3m	SAL-7/8-RSW2PE-3/A3/150	41-01122	SAL-7/8-RSW4-3/A3/150	41-01154	SAL-7/8-RSW4PE-3/A3/150	41-01186
LiYY 1,50mm ²	5m	SAL-7/8-RSW2PE-5/A3/150	41-01123	SAL-7/8-RSW4-5/A3/150	41-01155	SAL-7/8-RSW4PE-5/A3/150	41-01187
	10m	SAL-7/8-RSW2PE-10/A3/150	41-01124	SAL-7/8-RSW4-10/A3/150	41-01156	SAL-7/8-RSW4PE-10/A3/150	41-01188
TPU, high flexible	2m	SAL-7/8-RSW2PE-2/K1/150	41-01125	SAL-7/8-RSW4-2/K1/150	41-01157	SAL-7/8-RSW4PE-2/K1/150	41-01189
halogenfree, UL	3m	SAL-7/8-RSW2PE-3/K1/150	41-01126	SAL-7/8-RSW4-3/K1/150	41-01158	SAL-7/8-RSW4PE-3/K1/150	41-01190
black	5m	SAL-7/8-RSW2PE-5/K1/150	41-01127	SAL-7/8-RSW4-5/K1/150	41-01159	SAL-7/8-RSW4PE-5/K1/150	41-01191
Li9Y11Y 1,50mm ²	10m	SAL-7/8-RSW2PE-10/K1/150	41-01128	SAL-7/8-RSW4-10/K1/150	41-01160	SAL-7/8-RSW4PE-10/K1/150	41-01192

For custom length or quality levels contact factory.

SAL 7/8" CONNECTORS

Connecting cable Female connector, axial – Male connector, axial

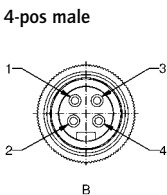
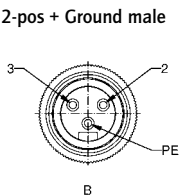
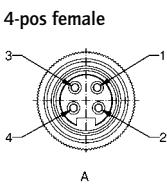
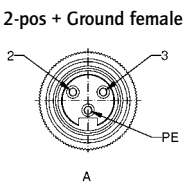


TECHNICAL DATA

Rated voltage	2-pos + Ground 400V	4-pos 300V
Current rating	8A at +40°C	
Pollution degree	3/2	
Insulation resistance	=10 ⁹ Ω	
Degree of protection	IP68 in mated condition	
Temperature range	-30°C to +80°C	
Mating cycles	<=100	

Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION



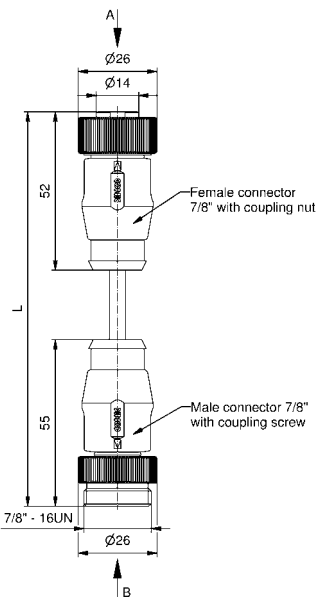
CONTACT ASSIGNMENT 2-POS + GROUND

- green-yellow PE
- brown 2
- blue 3

CONTACT ASSIGNMENT 4-POS

- black 1
- blue 2
- brown 3
- white 4

DIMENSION DRAWING



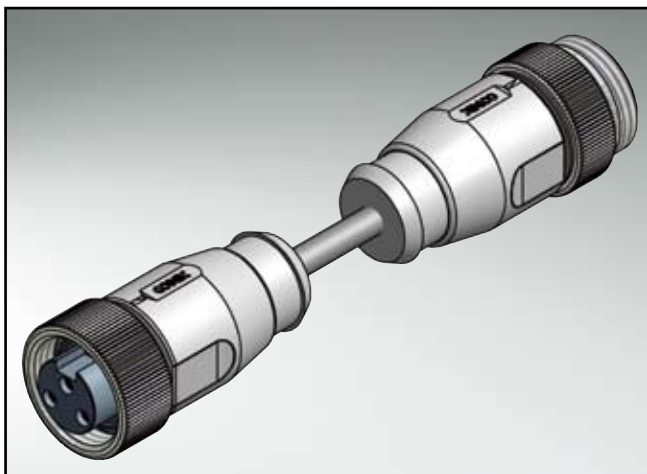
ORDER DATA

Cable	Length/L	Description	2-pos + Ground Part-no.	Description	4-pos Part-no.
PVC, UL	0,6m	SAL-7/8-RK2PE-RS2PE-0,6/A3	41-01193	SAL-7/8-RK4-RS4-0,6/A3	41-01209
grey	1,0m	SAL-7/8-RK2PE-RS2PE-1/A3	41-01194	SAL-7/8-RK4-RS4-1/A3	41-01210
LiYY 0,75mm ²	1,5m	SAL-7/8-RK2PE-RS2PE-1,5/A3	41-01195	SAL-7/8-RK4-RS4-1,5/A3	41-01211
	2,0m	SAL-7/8-RK2PE-RS2PE-2/A3	41-01196	SAL-7/8-RK4-RS4-2/A3	41-01212
TPU, high flexible	0,6m	SAL-7/8-RK2PE-RS2PE-0,6/K1	41-01197	SAL-7/8-RK4-RS4-0,6/K1	41-01213
halogenfree, UL	1,0m	SAL-7/8-RK2PE-RS2PE-1/K1	41-01198	SAL-7/8-RK4-RS4-1/K1	41-01214
black	1,5m	SAL-7/8-RK2PE-RS2PE-1,5/K1	41-01199	SAL-7/8-RK4-RS4-1,5/K1	41-01215
Li9Y11Y 0,75mm ²	2,0m	SAL-7/8-RK2PE-RS2PE-2/K1	41-01200	SAL-7/8-RK4-RS4-2/K1	41-01216

For custom length or quality levels contact factory.

SAL 7/8" CONNECTORS

Connecting cable Female connector, axial – Male connector, axial



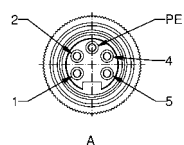
TECHNICAL DATA

Rated voltage	4-pos + Ground 300V
Current rating	8A at +40°C
Pollution degree	3/2
Insulation resistance	=10 ⁹ Ω
Degree of protection	IP68 in mated condition
Temperature range	-30°C to +80°C
Mating cycles	<=100

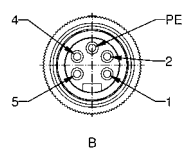
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

4-pos + Ground female



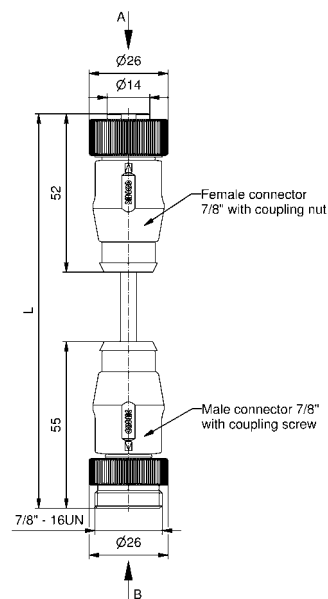
4-pos + Ground male



CONTACT ASSIGNMENT 4-POS + GROUND

black	1
blue	2
green-yellow	3 (PE)
brown	4
white	5

DIMENSION DRAWING



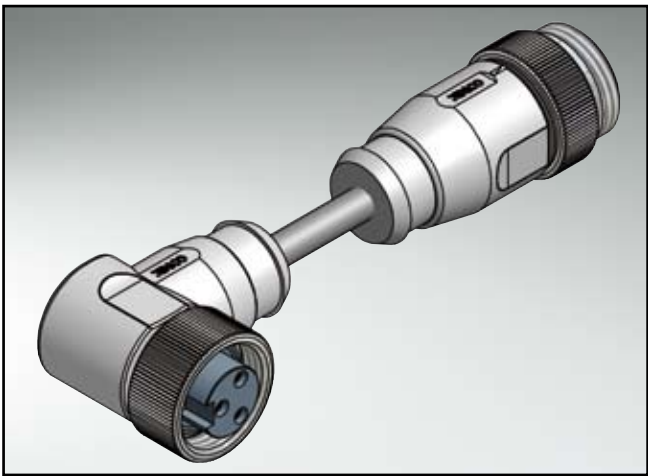
ORDER DATA

Cable	Length/L	Description	4-pos + Ground Part-no.
PVC, UL	0,6m	SAL-7/8-RK4PE-RS4PE-0,6/A3	41-01225
grey	1,0m	SAL-7/8-RK4PE-RS4PE-1/A3	41-01226
LiYY 0,75mm ²	1,5m	SAL-7/8-RK4PE-RS4PE-1,5/A3	41-01227
	2,0m	SAL-7/8-RK4PE-RS4PE-2/A3	41-01228
TPU, high flexible	0,6m	SAL-7/8-RK4PE-RS4PE-0,6/K1	41-01229
halogenfree, UL	1,0m	SAL-7/8-RK4PE-RS4PE-1/K1	41-01230
black	1,5m	SAL-7/8-RK4PE-RS4PE-1,5/K1	41-01231
Li9Y11Y 0,75mm ²	2,0m	SAL-7/8-RK4PE-RS4PE-2/K1	41-01232

For custom length or quality levels contact factory.

SAL 7/8" CONNECTORS

Connecting cable Female connector, angled – Male connector, axial

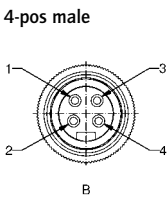
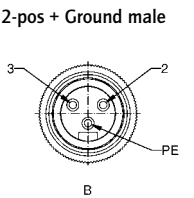
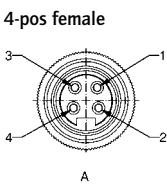
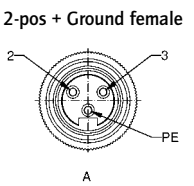


TECHNICAL DATA

Rated voltage	2-pos + Ground 400V	4-pos 300V
Current rating	8A at +40°C	
Pollution degree	3/2	
Insulation resistance	=10 ⁹ Ω	
Degree of protection	IP68 in mated condition	
Temperature range	-30°C to +80°C	
Mating cycles	<=100	

Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION



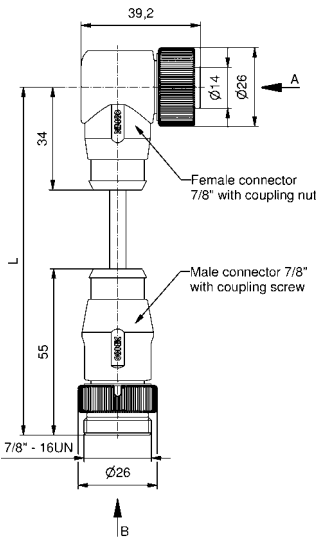
CONTACT ASSIGNMENT 2-POS + GROUND

- green-yellow PE
- brown 2
- blue 3

CONTACT ASSIGNMENT 4-POS

- black 1
- blue 2
- brown 3
- white 4

DIMENSION DRAWING



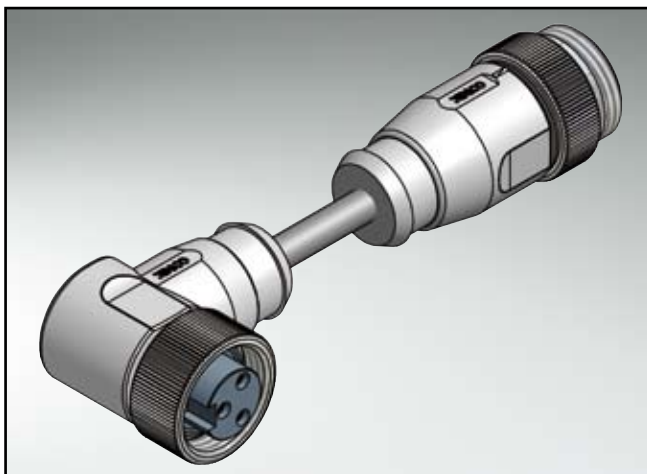
ORDER DATA

Cable	Length/L	Description	2-pos + Ground Part-no.	Description	4-pos Part-no.
PVC, UL	0,6m	SAL-7/8-RKW2PE-RS2PE-0,6/A3	41-01201	SAL-7/8-RKW4-RS4-0,6/A3	41-01217
grey	1,0m	SAL-7/8-RKW2PE-RS2PE-1/A3	41-01202	SAL-7/8-RKW4-RS4-1/A3	41-01218
LiYY 0,75mm ²	1,5m	SAL-7/8-RKW2PE-RS2PE-1,5/A3	41-01203	SAL-7/8-RKW4-RS4-1,5/A3	41-01219
	2,0m	SAL-7/8-RKW2PE-RS2PE-2/A3	41-01204	SAL-7/8-RKW4-RS4-2/A3	41-01220
TPU, high flexible	0,6m	SAL-7/8-RKW2PE-RS2PE-0,6/K1	41-01205	SAL-7/8-RKW4-RS4-0,6/K1	41-01221
halogenfree, UL	1,0m	SAL-7/8-RKW2PE-RS2PE-1/K1	41-01206	SAL-7/8-RKW4-RS4-1/K1	41-01222
black	1,5m	SAL-7/8-RKW2PE-RS2PE-1,5/K1	41-01207	SAL-7/8-RKW4-RS4-1,5/K1	41-01223
Li9Y11Y 0,75mm ²	2,0m	SAL-7/8-RKW2PE-RS2PE-2/K1	41-01208	SAL-7/8-RKW4-RS4-2/K1	41-01224

For custom length or quality levels contact factory.

SAL 7/8" CONNECTORS

Connecting cable Female connector, angled – Male connector, axial



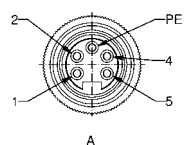
TECHNICAL DATA

Rated voltage	4-pos + Ground 300V
Current rating	8A at +40°C
Pollution degree	3/2
Insulation resistance	=10 ⁹ Ω
Degree of protection	IP68 in mated condition
Temperature range	-30°C to +80°C
Mating cycles	<=100

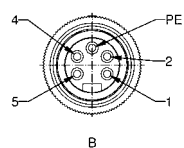
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

4-pos + Ground female



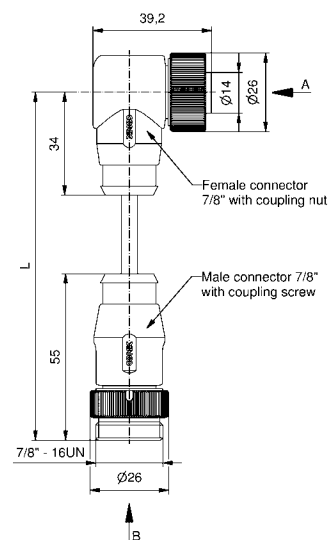
4-pos + Ground male



CONTACT ASSIGNMENT 4-POS + GROUND

black	1
blue	2
green-yellow	3 (PE)
brown	4
white	5

DIMENSION DRAWING



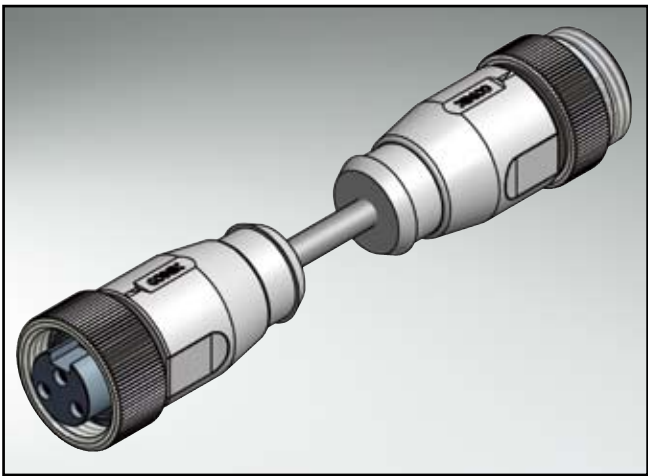
ORDER DATA

Cable	Length/L	Description	4-pos + Ground Part-no.
PVC, UL	0,6m	SAL-7/8-RKW4PE-RS4PE-0,6/A3	41-01233
grey	1,0m	SAL-7/8-RKW4PE-RS4PE-1/A3	41-01234
LiYY 0,75mm ²	1,5m	SAL-7/8-RKW4PE-RS4PE-1,5/A3	41-01235
	2,0m	SAL-7/8-RKW4PE-RS4PE-2/A3	41-01236
TPU, high flexible	0,6m	SAL-7/8-RKW4PE-RS4PE-0,6/K1	41-01237
halogenfree, UL	1,0m	SAL-7/8-RKW4PE-RS4PE-1/K1	41-01238
black	1,5m	SAL-7/8-RKW4PE-RS4PE-1,5/K1	41-01239
Li9Y11Y 0,75mm ²	2,0m	SAL-7/8-RKW4PE-RS4PE-2/K1	41-01240

For custom length or quality levels contact factory.

SAL 7/8" CONNECTORS

Connecting cable Female connector, axial – Male connector, axial



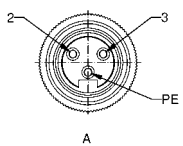
TECHNICAL DATA

Rated voltage	2-pos + Ground 400V	4-pos 300V
Current rating	2-pos + Ground: 12A at +40°C 4-pos: 10A at +40°C	
Pollution degree	3/2	
Insulation resistance	=10 ⁹ Ω	
Degree of protection	IP68 in mated condition	
Temperature range	-30°C to +80°C	
Mating cycles	<=100	

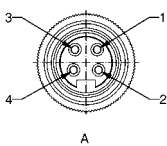
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

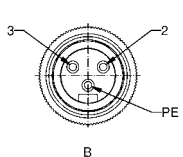
2-pos + Ground female



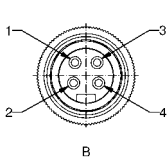
4-pos female



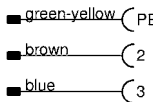
2-pos + Ground male



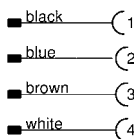
4-pos male



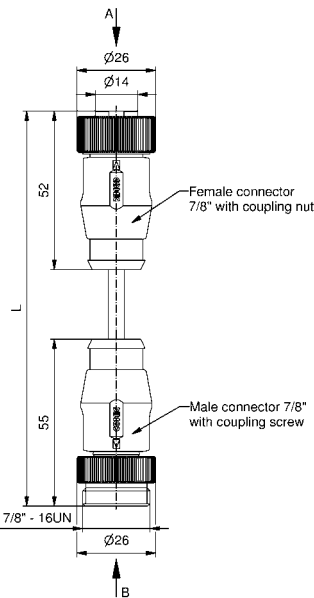
CONTACT ASSIGNMENT 2-POS + GROUND



CONTACT ASSIGNMENT 4-POS



DIMENSION DRAWING



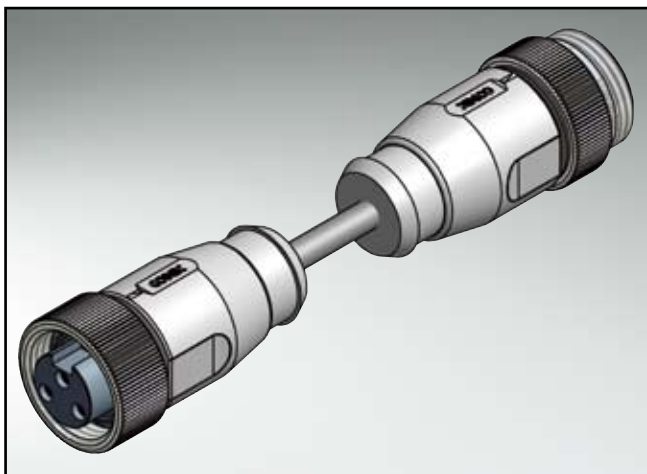
ORDER DATA

Cable	Length/L	Description	2-pos + Ground Part-no.	Description	4-pos Part-no.
PVC, UL	0,6m	SAL-7/8-RK2PE-RS2PE-0,6/A3/150	41-01241	SAL-7/8-RK4-RS4-0,6/A3/150	41-01257
grey	1,0m	SAL-7/8-RK2PE-RS2PE-1/A3/150	41-01242	SAL-7/8-RK4-RS4-1/A3/150	41-01258
LiYY 1,50mm ²	1,5m	SAL-7/8-RK2PE-RS2PE-1,5/A3/150	41-01243	SAL-7/8-RK4-RS4-1,5/A3/150	41-01259
	2,0m	SAL-7/8-RK2PE-RS2PE-2/A3/150	41-01244	SAL-7/8-RK4-RS4-2/A3/150	41-01260
TPU, high flexible	0,6m	SAL-7/8-RK2PE-RS2PE-0,6/K1/150	41-01245	SAL-7/8-RK4-RS4-0,6/K1/150	41-01261
halogenfree, UL	1,0m	SAL-7/8-RK2PE-RS2PE-1/K1/150	41-01246	SAL-7/8-RK4-RS4-1/K1/150	41-01262
black	1,5m	SAL-7/8-RK2PE-RS2PE-1,5/K1/150	41-01247	SAL-7/8-RK4-RS4-1,5/K1/150	41-01263
Li9Y11Y 1,50mm ²	2,0m	SAL-7/8-RK2PE-RS2PE-2/K1/150	41-01248	SAL-7/8-RK4-RS4-2/K1/150	41-01264

For custom length or quality levels contact factory.

SAL 7/8" CONNECTORS

Connecting cable Female connector, axial – Male connector, axial



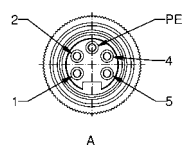
TECHNICAL DATA

Rated voltage	4-pos + Ground 300V
Current rating	10A at +40°C
Pollution degree	3/2
Insulation resistance	=10 ⁹ Ω
Degree of protection	IP68 in mated condition
Temperature range	-30°C to +80°C
Mating cycles	<=100

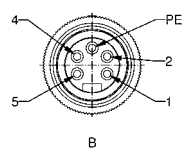
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

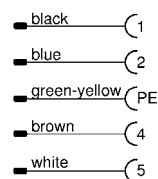
4-pos + Ground female



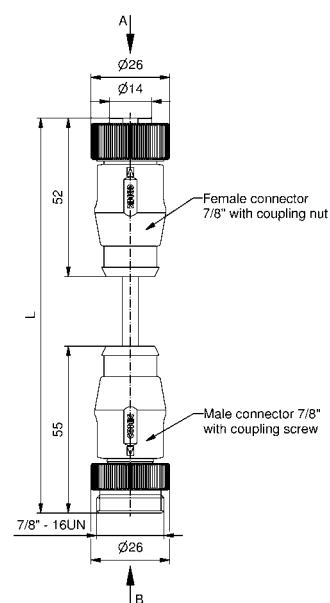
4-pos + Ground male



CONTACT ASSIGNMENT 4-POS + GROUND



DIMENSION DRAWING



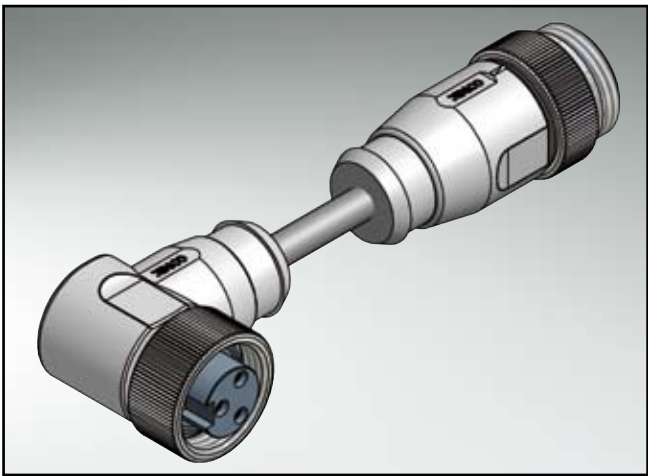
ORDER DATA

Cable	Length/L	Description	4-pos + Ground Part-no.
PVC, UL	0,6m	SAL-7/8-RK4PE-RS4PE-0,6/A3/150	41-01273
grey	1,0m	SAL-7/8-RK4PE-RS4PE-1/A3/150	41-01274
LiYY 1,50mm ²	1,5m	SAL-7/8-RK4PE-RS4PE-1,5/A3/150	41-01275
	2,0m	SAL-7/8-RK4PE-RS4PE-2/A3/150	41-01276
TPU, high flexible	0,6m	SAL-7/8-RK4PE-RS4PE-0,6/K1/150	41-01277
halogenfree, UL	1,0m	SAL-7/8-RK4PE-RS4PE-1/K1/150	41-01278
black	1,5m	SAL-7/8-RK4PE-RS4PE-1,5/K1/150	41-01279
Li9Y11Y 1,50mm ²	2,0m	SAL-7/8-RK4PE-RS4PE-2/K1/150	41-01280

For custom length or quality levels contact factory.

SAL 7/8" CONNECTORS

Connecting cable Female connector, angled – Male connector, axial

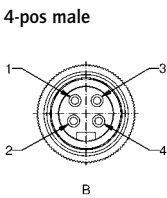
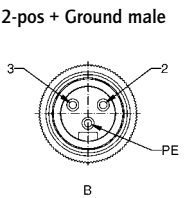
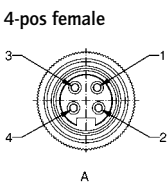
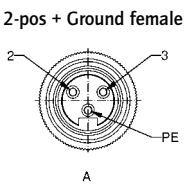


TECHNICAL DATA

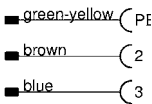
Rated voltage	2-pos + Ground 400V	4-pos 300V
Current rating	2-pos + GND: 12A at +40°C 4-pos: 10A at +40°C	
Pollution degree	3/2	
Insulation resistance	=10 ⁹ Ω	
Degree of protection	IP68 in mated condition	
Temperature range	-30°C to +80°C	
Mating cycles	<=100	

Directive 2002 95 EC
"RoHS"
Compliant

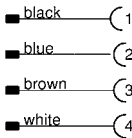
PIN CONFIGURATION



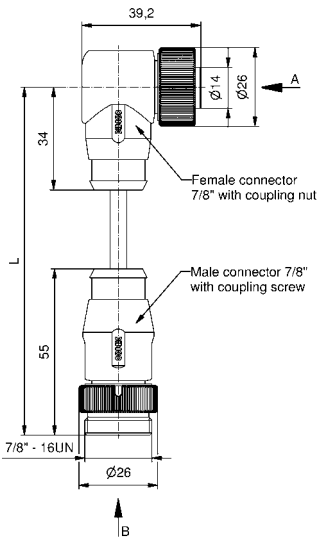
CONTACT ASSIGNMENT 2-POS + GROUND



CONTACT ASSIGNMENT 4-POS



DIMENSION DRAWING



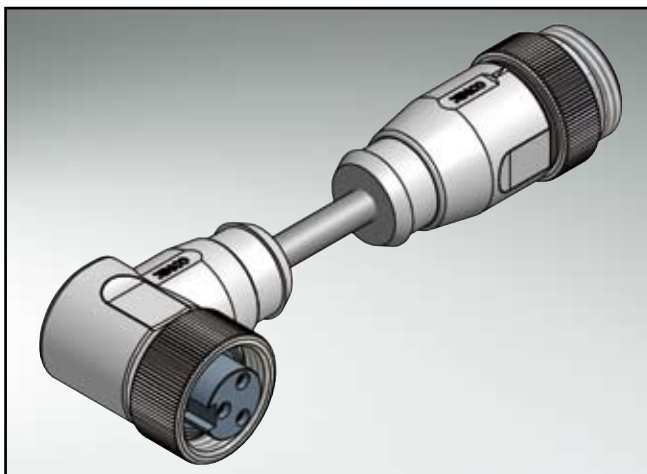
ORDER DATA

Cable	Length/L	Description	2-pos + Ground Part-no.	Description	4-pos Part-no.
PVC, UL	0,6m	SAL-7/8-RKW2PE-RS2PE-0,6/A3/150	41-01249	SAL-7/8-RKW4-RS4-0,6/A3/150	41-01265
grey	1,0m	SAL-7/8-RKW2PE-RS2PE-1/A3/150	41-01250	SAL-7/8-RKW4-RS4-1/A3/150	41-01266
LiYY 1,50mm ²	1,5m	SAL-7/8-RKW2PE-RS2PE-1,5/A3/150	41-01251	SAL-7/8-RKW4-RS4-1,5/A3/150	41-01267
	2,0m	SAL-7/8-RKW2PE-RS2PE-2/A3/150	41-01252	SAL-7/8-RKW4-RS4-2/A3/150	41-01268
TPU, high flexible	0,6m	SAL-7/8-RKW2PE-RS2PE-0,6/K1/150	41-01253	SAL-7/8-RKW4-RS4-0,6/K1/150	41-01269
halogenfree, UL	1,0m	SAL-7/8-RKW2PE-RS2PE-1/K1/150	41-01254	SAL-7/8-RKW4-RS4-1/K1/150	41-01270
black	1,5m	SAL-7/8-RKW2PE-RS2PE-1,5/K1/150	41-01255	SAL-7/8-RKW4-RS4-1,5/K1/150	41-01271
Li9Y11Y 1,50mm ²	2,0m	SAL-7/8-RKW2PE-RS2PE-2/K1/150	41-01256	SAL-7/8-RKW4-RS4-2/K1/150	41-01272

For custom length or quality levels contact factory.

SAL 7/8" CONNECTORS

Connecting cable Female connector, angled – Male connector, axial



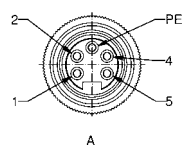
TECHNICAL DATA

Rated voltage	4-pos + Ground 300V
Current rating	10A at +40°C
Pollution degree	3/2
Insulation resistance	=10 ⁹ Ω
Degree of protection	IP68 in mated condition
Temperature range	-30°C to +80°C
Mating cycles	<=100

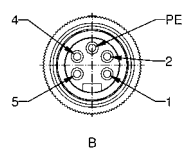
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

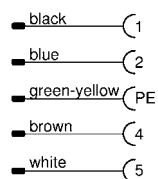
4-pos + Ground female



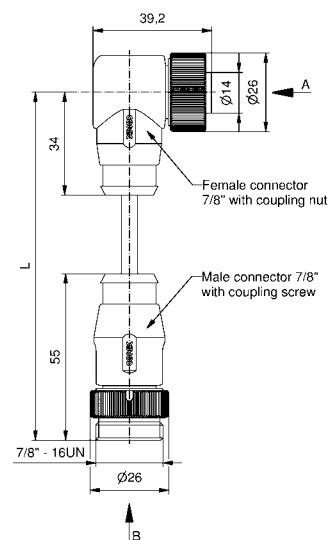
4-pos + Ground male



CONTACT ASSIGNMENT 4-POS + GROUND



DIMENSION DRAWING



ORDER DATA

Cable	Length/L	Description	4-pos + Ground Part-no.
PVC, UL	0,6m	SAL-7/8-RKW4PE-RS4PE-0,6/A3/150	41-01281
grey	1,0m	SAL-7/8-RKW4PE-RS4PE-1/A3/150	41-01282
LiYY 1,50mm ²	1,5m	SAL-7/8-RKW4PE-RS4PE-1,5/A3/150	41-01283
	2,0m	SAL-7/8-RKW4PE-RS4PE-2/A3/150	41-01284
TPU, high flexible	0,6m	SAL-7/8-RKW4PE-RS4PE-0,6/K1/150	41-01285
halogenfree, UL	1,0m	SAL-7/8-RKW4PE-RS4PE-1/K1/150	41-01286
black	1,5m	SAL-7/8-RKW4PE-RS4PE-1,5/K1/150	41-01287
Li9Y11Y 1,50mm ²	2,0m	SAL-7/8-RKW4PE-RS4PE-2/K1/150	41-01288

For custom length or quality levels contact factory.

SAL 7/8" CONNECTORS

Female connector, axial, field-attachable with screw-termination



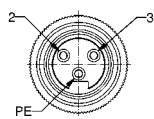
TECHNICAL DATA

Rated voltage	2-pos + GND 250V 4-pos 250V 4-pos + GND 250V
Current rating	2-pos + GND: 12A at +40°C 4-pos/4-pos + GND: 9A at +40°C
Pollution degree	3/2
Insulation resistance	= 10 ⁹ Ω
Degree of protection	IP68 in mated condition
Temperature range	-30°C to +85°C
Mating cycles	<=100

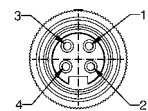
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

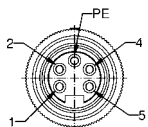
2-pos + Ground



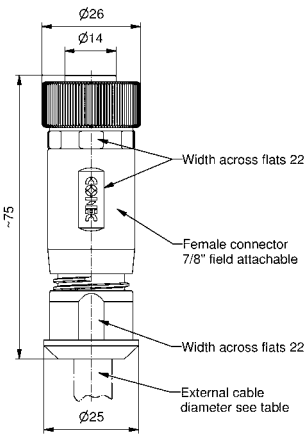
4-pos



4-pos + Ground



DIMENSION DRAWING



ORDER DATA

Cable outer diameter	Description	2-pos + Ground Part-no.	Description	4-pos Part-no.	Description	4-pos + Ground Part-no.
max. Ø6-8mm	SAL-7/8-RKC2PE-S	41-00001	SAL-7/8-RKC4-S	41-00002	SAL-7/8-RKC4PE-S	41-00003
max. Ø8-10mm						
max. Ø10-12mm						

SAL 7/8" CONNECTORS

Male connector, axial, field-attachable with screw-termination



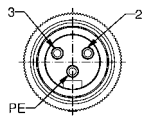
TECHNICAL DATA

Rated voltage	2-pos + GND 250V 4-pos 250V 4-pos + GND 250V
Current rating	2-pos + GND: 12A at +40°C 4-pos/4-pos + GND: 9A at +40°C
Pollution degree	3/2
Insulation resistance	= 10 ⁹ Ω
Degree of protection	IP68 in mated condition
Temperature range	-30°C to +85°C
Mating cycles	<= 100

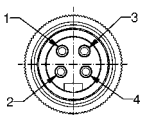
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

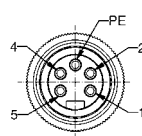
2-pos + Ground



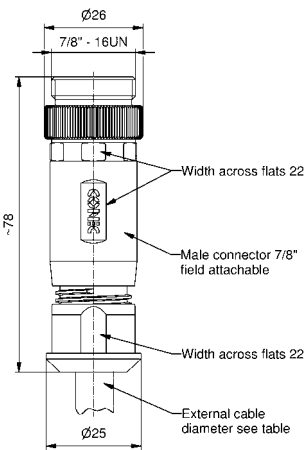
4-pos



4-pos + Ground



DIMENSION DRAWING



ORDER DATA

Cable outer diameter	Description	2-pos + Ground Part-no.	Description	4-pos Part-no.	Description	4-pos + Ground Part-no.
max. Ø6-8mm	SAL-7/8-RSC2PE-S	41-00004	SAL-7/8-RSC4-S	41-00005	SAL-7/8-RSC4PE-S	41-00006
max. Ø8-10mm						
max. Ø10-12mm						

SECTION 9

RUND24 CONNECTORS





Rund24 connectors are part of a universal connector system with a plastic locking device for the transmission of higher currents and voltages. The use of high quality thermoplastic with special properties such as stiffness, impact resistance and high flammability resistance as well as a screw concept with a self-locking feature (anti-vibration locking) enables this product to be used in rough and robust environments.

This connector family has both an overmoulded version as well as a field attachable version.



SAL RUND24 CONNECTORS OVERMOULDED

Nomenclature

	S	A	L	-	2	4	-	R	K	W	3	P	E	-	2	/	A	3
SAL Sensor Actor Line																		
Installation size 24 = Rund24																		
Building R = Circular connector																		
Configuration K = Female connector S = Male connector																		
Building = Axial W = Angled																		
Number of poles 3PE = 3-pos + Ground																		
Cable length XX = Length [m]																		
Cable quality A3 = PVC, grey, UL																		

SAL RUND24 CONNECTORS OVERMOULDED

Technical Data

BASIC MATERIAL	
Contact	CuZn
Contact plating	Nickel plated, gold-plated
Contact carrier	PA6 GF, UL 94
Moulding body	TPU, UL 94
Sealing	FPM
Coupling nut/-screw	PA GF, UL 94

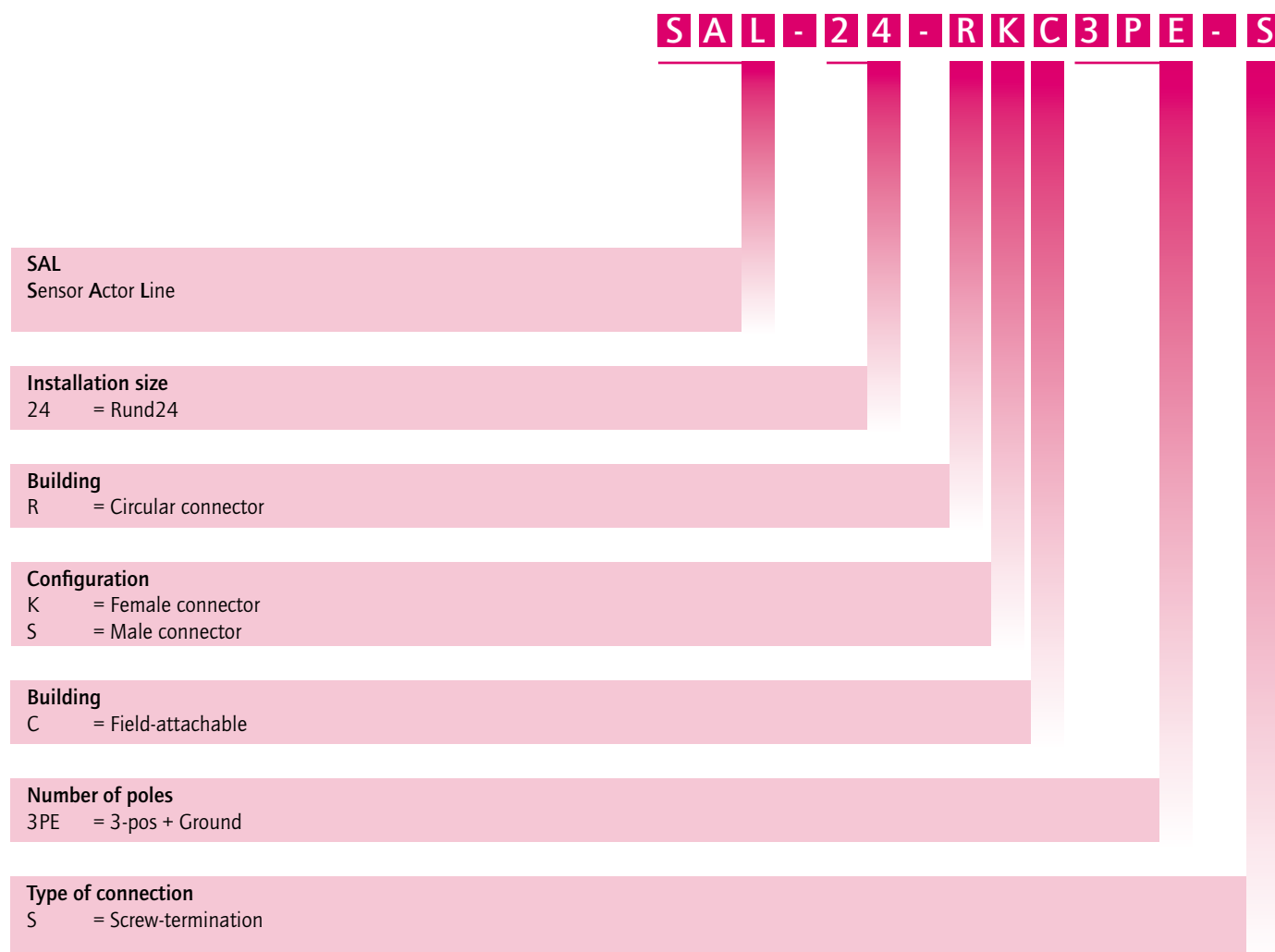
Information on the following pages are basing on below mentioned IEC-standards.

Rated voltage	IEC 60664-1
Current rating	IEC 60512-3
Insulation resistance	IEC 60512-2
Pollution degree	IEC 60664-1
Degree of protection	IEC 60529
Temperature range	IEC 60664-1
Mating cycles	IEC 60512-9a

Technical subject to change without notice.

SAL RUND24 CONNECTORS FIELD-ATTACHABLE

Nomenclature



SAL RUND24 CONNECTORS FIELD-ATTACHABLE

Technical Data

BASIC MATERIAL	
Contact	CuZn
Contact plating	Nickel plated, gold-plated
Contact carrier	PA6 GF, UL 94
Housing	PA6 GF, UL 94
Cable sealing	Elastomere
Sealing	FPM
Coupling nut/-screw	PA GF, UL 94

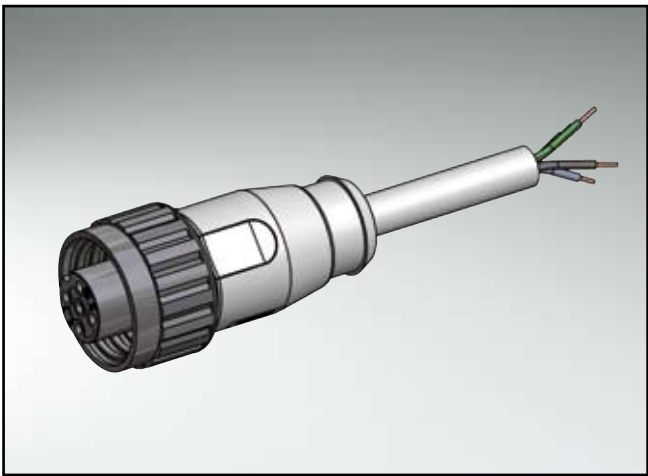
Information on the following pages are basing on below mentioned IEC-standards.

Rated voltage	IEC 60664-1
Current rating	IEC 60512-3
Insulation resistance	IEC 60512-2
Pollution degree	IEC 60664-1
Degree of protection	IEC 60529
Temperature range	IEC 60664-1
Mating cycles	IEC 60512-9a

Technical subject to change without notice.

SAL RUND24 CONNECTORS

Female connector, axial



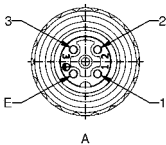
TECHNICAL DATA

Rated voltage	3-pos + Ground 400V
Current rating	13A at +40°C
Pollution degree	3/2
Insulation resistance	=10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	-30°C to +80°C
Mating cycles	<=100

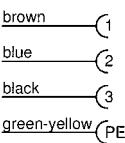
Directive 2002 95 EC
„RoHS“
Compliant

PIN CONFIGURATION

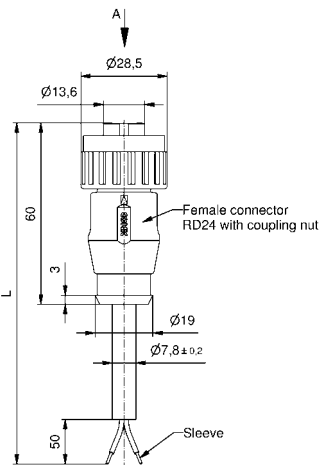
3-pos + Ground



CONTACT ASSIGNMENT 3-POS + GROUND



DIMENSION DRAWING



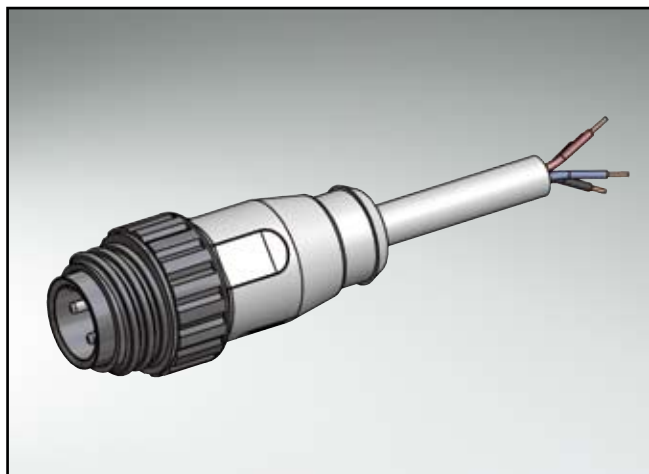
ORDER DATA

Cable	Length/L	Description	3-pos + Ground Part-no.
PVC, UL	2,0m	SAL-24-RK3PE-2/A3	41-51000
grey	3,0m	SAL-24-RK3PE-3/A3	41-51001
LiYY 1,5mm ²	5,0m	SAL-24-RK3PE-5/A3	41-51002
	10,0m	SAL-24-RK3PE-10/A3	41-51003

Andere Lengthn and Leitungsaufbauten auf Anfrage

SAL RUND24 CONNECTORS

Male connector, axial



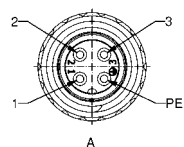
TECHNICAL DATA

Rated voltage	3-pos + Ground 400V
Current rating	13A at +40°C
Pollution degree	3/2
Insulation resistance	=10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	-30°C to +80°C
Mating cycles	<=100

Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

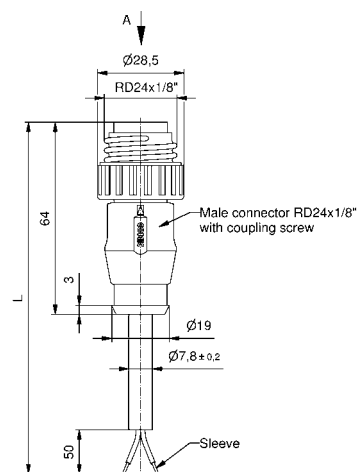
3-pos + Ground



CONTACT ASSIGNMENT 3-POS + GROUND

brown	1
blue	2
black	3
green-yellow	PE

DIMENSION DRAWING



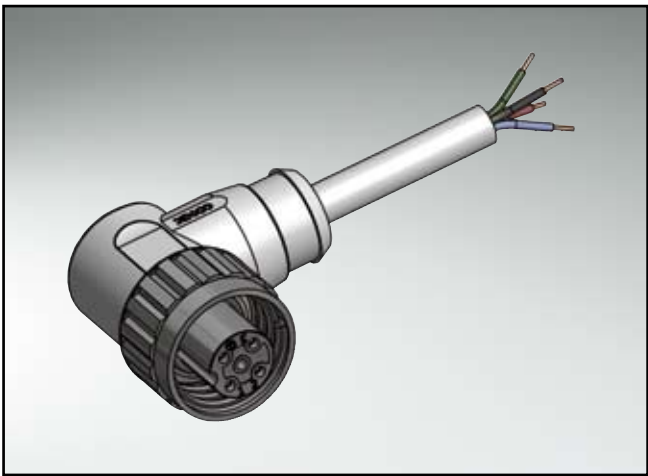
ORDER DATA

Cable	Length/L	Description	3-pos + Ground Part-no.
PVC, UL	2,0m	SAL-24-RS3PE-2/A3	41-51004
grey	3,0m	SAL-24-RS3PE-3/A3	41-51005
LiYY 1,5mm ²	5,0m	SAL-24-RS3PE-5/A3	41-51006
	10,0m	SAL-24-RS3PE-10/A3	41-51007

For custom length or quality levels contact factory.

SAL RUND24 CONNECTORS

Female connector, angled



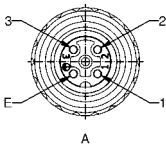
TECHNICAL DATA

Rated voltage	3-pos + Ground 400V
Current rating	13A at +40°C
Pollution degree	3/2
Insulation resistance	=10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	-30°C to +80°C
Mating cycles	<=100

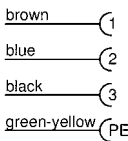
Directive 2002 95 EC
„RoHS“
Compliant

PIN CONFIGURATION

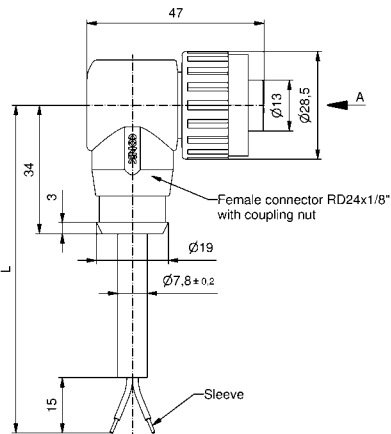
3-pos + Ground



CONTACT ASSIGNMENT 3-POS + GROUND



DIMENSION DRAWING



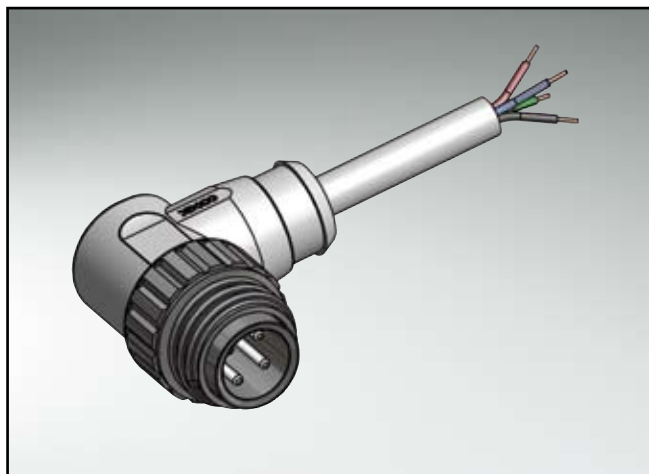
ORDER DATA

Cable	Length/L	Description	3-pos + Ground Part-no.
PVC, UL	2,0m	SAL-24-RKW3PE-2/A3	41-51008
grey	3,0m	SAL-24-RKW3PE-3/A3	41-51009
LiYY 1,5mm ²	5,0m	SAL-24-RKW3PE-5/A3	41-51010
	10,0m	SAL-24-RKW3PE-10/A3	41-51011

Andere Lengthn and Leitungsaufbauten auf Anfrage

SAL RUND24 CONNECTORS

Male connector, angled



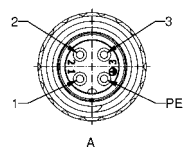
TECHNICAL DATA

Rated voltage	3-pos + Ground 400V
Current rating	13A at +40°C
Pollution degree	3/2
Insulation resistance	=10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	-30°C to +80°C
Mating cycles	<=100

Directive 2002 95 EC
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Compliant

PIN CONFIGURATION

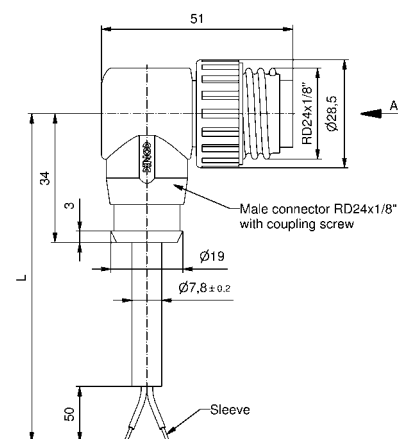
3-pos + Ground



CONTACT ASSIGNMENT 3-POS + GROUND

brown	1
blue	2
black	3
green-yellow	PE

DIMENSION DRAWING



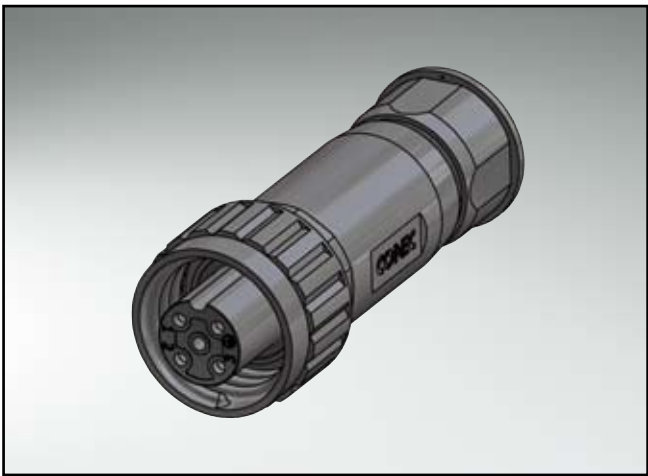
ORDER DATA

Cable	Length/L	Description	3-pos + Ground Part-no.
PVC, UL	2,0m	SAL-24-RSW3PE-2/A3	41-51012
grey	3,0m	SAL-24-RSW3PE-3/A3	41-51013
LiYY 1,5mm ²	5,0m	SAL-24-RSW3PE-5/A3	41-51014
	10,0m	SAL-24-RSW3PE-10/A3	41-51015

For custom length or quality levels contact factory.

SAL RUND24 CONNECTORS

Female connector, axial, field-attachable with screw-termination



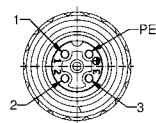
TECHNICAL DATA

Rated voltage	3-pos + Ground 400V
Current rating	16A at +40°C
Pollution degree	3/2
Insulation resistance	=10 ⁹ Ω
Degree of protection	IP67 in mated condition
Temperature range	-40°C to +85°C
Mating cycles	<=100

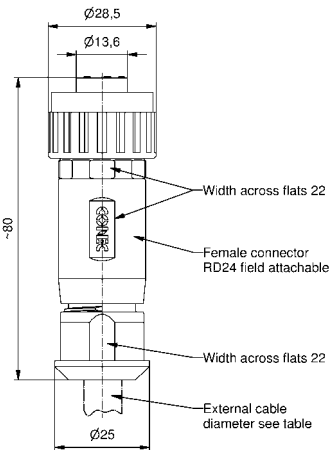
Directive 2002 95 EC
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Compliant

PIN CONFIGURATION

3-pos + Ground



DIMENSION DRAWING



ORDER DATA

Cable outer diameter	Description	3-pos + Ground Part-no.
max. Ø6-8mm max. Ø8-10mm max. Ø10-12mm	SAL-24-RKC3PE-S	41-50000

SAL RUND24 CONNECTORS

Male connector, axial, field-attachable with screw-termination



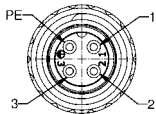
TECHNICAL DATA

Rated voltage	3-pos + Ground 400V
Current rating	16A at +40°C
Pollution degree	3/2
Insulation resistance	$\geq 10^9 \Omega$
Degree of protection	IP67 in mated condition
Temperature range	-40°C to +85°C
Mating cycles	≤ 100

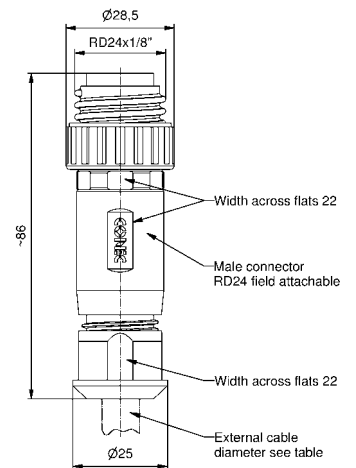
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"RoHS"
Compliant

PIN CONFIGURATION

3-pos + Ground



DIMENSION DRAWING



ORDER DATA

Cable outer diameter	Description	3-pos + Ground Part-no.
max. Ø6-8mm	SAL-24-RSC3PE-S	41-50002
max. Ø8-10mm		
max. Ø10-12mm		

SECTION 10
VALVEPLUGS





Valve connectors are a compact and very robust connection solution for the secure transmission of voltages and current for pneumatic, hydraulic and electromagnetic actuators.

Five different designs – A, B, B-Industry, C contact distance 8mm and C contact distance 9.4mm – are available that meet EN 175301-803 specifications. You can choose from versions with an integrated protective circuit to reduce voltage spikes and/or an LED function display for quick error diagnosis. Versions are also available without the integrated protective circuit.



VALVEPLUGS

Nomenclature

S A L - A - V 2 P E G - 0 - 0 2 2 0 - 2 / K 1 / 075

SAL
Sensor Actor Line

Installation size
A = Type A
B = Type B
BI = Type B, Industry
C8 = Type C, Contact distance 8mm
C9 = Type C, Contact distance 9,4mm

Building
V = Valveplugs

Number of poles
2PE = 2-pos + Ground

Building
= Ground, not jumpered
G = Ground, jumpered

0 = Ground 0°
180 = Ground turned 180°

0 = Without protection circuit
1 = Protection circuit Varistor/LED Bipolar

24 = 24 AC/DC
220 = 220 AC/DC

Cable length
xx = Length (m)

Cable quality
A2 = PVC, black
A3 = PVC, grey, UL
H2 = PUR/PVC, black
K1 = TPU, black, UL

Wire cross-section
= 3x0,5mm²
075 = 3x0,75mm²

VALVEPLUGS

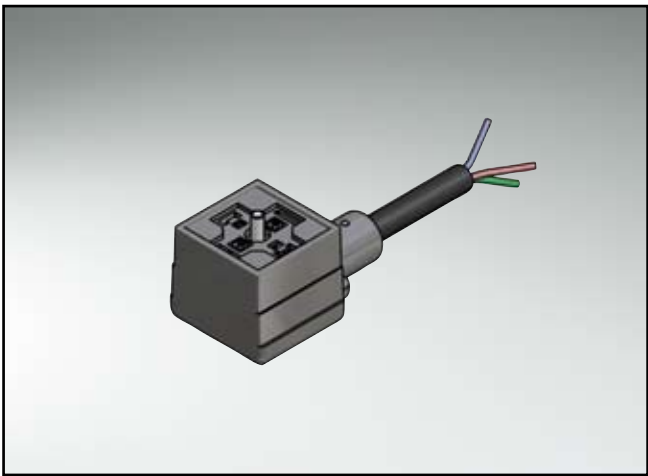
Technical Data

BASIC MATERIAL	
Contact	CuSn
Contact plating	Nickel plated, gold-plated
Contact carrier	PA GF, UL 94
Moulding body without protection circuit	TPU, UL 94 black
Moulding body without protection circuit	TPU, UL 94 transparent
Information on the following pages are basing on below mentioned IEC-standards.	
Current rating	IEC 60512-5-2 5b
Pollution degree	IEC 60664-1
Degree of protection	IEC 60529
Temperature range	IEC 60664-1
Mating cycles	IEC 175301-803

Technical subject to change without notice.

VALVEPLUGS CONFIGURATION A, WITH OVERMOULDED CABLE

2-pos + ground, ground jumpered, without protection circuit



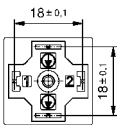
TECHNICAL DATA

Rated voltage	230 AC / DC
Current rating	4A at +40°C
Pollution degree	3
Degree of protection	IP67 in mated condition
Temperature range	-25°C to +80°C
Mating cycles	> 50

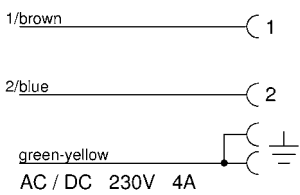
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

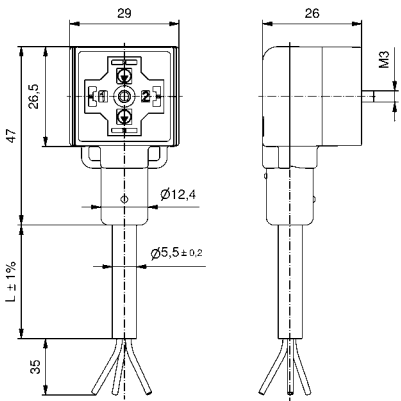
2-pos + Ground



CONTACT ASSIGNMENT 2-POS + GROUND



DIMENSION DRAWING



ORDER DATA

Cable	Length/L	Description	2-pos + Ground Part-no.
PVC, black LiYY 3x0,5mm ²	2m	SAL-A-V2PEG-0-0220-2/A2	55-00079
	3m	SAL-A-V2PEG-0-0220-3/A2	55-00064
	5m	SAL-A-V2PEG-0-0220-5/A2	55-00065
	10m	SAL-A-V2PEG-0-0220-10/A2	55-00080
PUR/PVC black LiYY11Y 3x0,5mm ²	2m	SAL-A-V2PEG-0-0220-2/H2	55-00045
	3m	SAL-A-V2PEG-0-0220-3/H2	55-00000
	5m	SAL-A-V2PEG-0-0220-5/H2	55-00001
	10m	SAL-A-V2PEG-0-0220-10/H2	55-00072

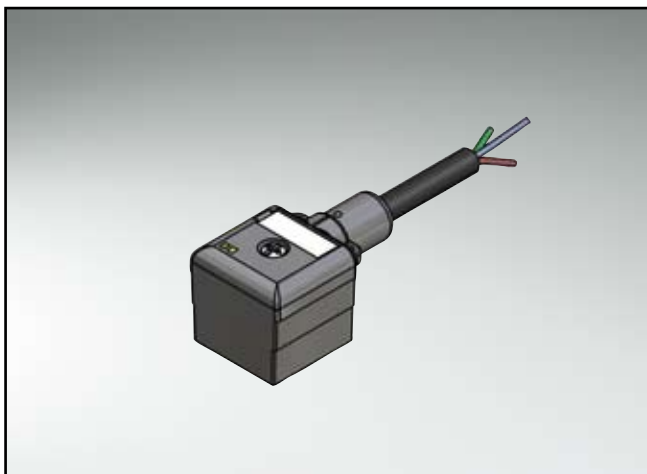
For custom length or quality levels contact factory.

Cable	Length/L	Description	2-pos + Ground Part-no.
PVC, UL, grey LiYY 3x0,75mm ²	2m	SAL-A-V2PEG-0-0220-2/A3/075	55-00089
	3m	SAL-A-V2PEG-0-0220-3/A3/075	55-00090
	5m	SAL-A-V2PEG-0-0220-5/A3/075	55-00091
	10m	SAL-A-V2PEG-0-0220-10/A3/075	55-00092
TPU, UL, black Li9Y11Y, 3x0,75mm ²	2m	SAL-A-V2PEG-0-0220-2/K1/075	55-00085
	3m	SAL-A-V2PEG-0-0220-3/K1/075	55-00086
	5m	SAL-A-V2PEG-0-0220-5/K1/075	55-00087
	10m	SAL-A-V2PEG-0-0220-10/K1/075	55-00088

For custom length or quality levels contact factory.

VALVEPLUGS CONFIGURATION A, WITH OVERMOULDED CABLE

2-pos + ground, ground jumpered, with protection circuit



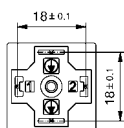
TECHNICAL DATA

Rated voltage	24 AC /DC
Current rating	4A at +40°C
Pollution degree	3
Degree of protection	IP67 in mated condition
Temperature range	-25°C to +80°C
Mating cycles	> 50

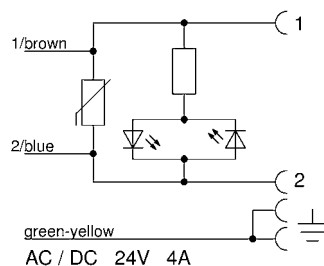
Directive 2002 95 EC
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Compliant

PIN CONFIGURATION

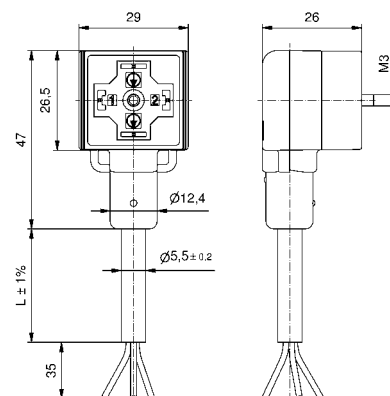
2-pos + Ground



CONTACT ASSIGNMENT 2-POS + GROUND



DIMENSION DRAWING



ORDER DATA

Cable	Length/L	Description	2-pos + Ground Part-no.
PVC, black	2m	SAL-A-V2PEG-0-124-2/A2	55-00082
LiYY 3x0,5mm ²	3m	SAL-A-V2PEG-0-124-3/A2	55-00083
	5m	SAL-A-V2PEG-0-124-5/A2	55-00048
	10m	SAL-A-V2PEG-0-124-10/A2	55-00084
PUR/PVC	2m	SAL-A-V2PEG-0-124-2/H2	55-00081
black	3m	SAL-A-V2PEG-0-124-3/H2	55-00004
LiYY11Y	5m	SAL-A-V2PEG-0-124-5/H2	55-00005
3x0,5mm ²	10m	SAL-A-V2PEG-0-124-10/H2	55-00039

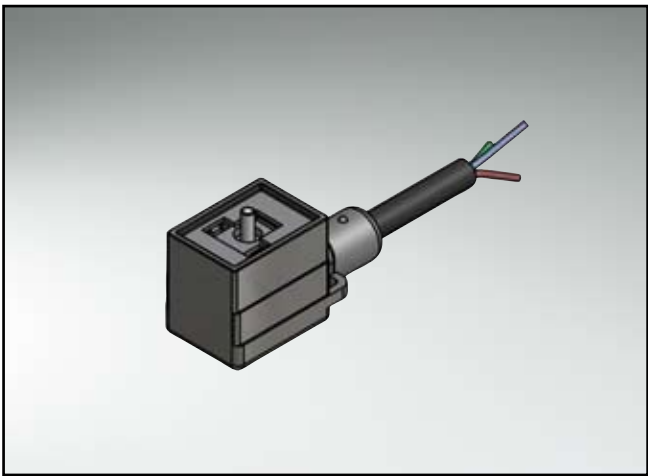
For custom length or quality levels contact factory.

Cable	Length/L	Description	2-pos + Ground Part-no.
PVC, UL, grey	2m	SAL-A-V2PEG-0-124-2/A3/075	55-00095
LiYY 3x0,75mm ²	3m	SAL-A-V2PEG-0-124-3/A3/075	55-00096
	5m	SAL-A-V2PEG-0-124-5/A3/075	55-00097
	10m	SAL-A-V2PEG-0-124-10/A3/075	55-00098
TPU, UL, black	2m	SAL-A-V2PEG-0-124-2/K1/075	55-00093
Li9Y11Y,	3m	SAL-A-V2PEG-0-124-3/K1/075	55-00043
3x0,75mm ²	5m	SAL-A-V2PEG-0-124-5/K1/075	55-00094
	10m	SAL-A-V2PEG-0-124-10/K1/075	55-00044

For custom length or quality levels contact factory.

VALVEPLUGS CONFIGURATION B, WITH OVERMOULDED CABLE

2-pos + ground, without protection circuit



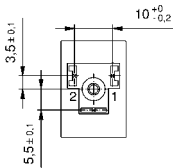
TECHNICAL DATA

Rated voltage	230 AC/DC
Current rating	4A at +40°C
Pollution degree	3
Degree of protection	IP67 in mated condition
Temperature range	-25°C to +80°C
Mating cycles	> 50

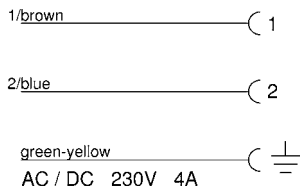
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"RoHS"
Compliant

PIN CONFIGURATION

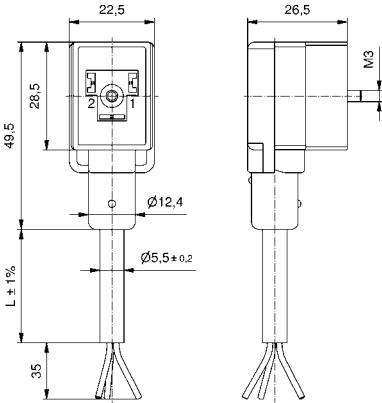
2-pos + Ground



CONTACT ASSIGNMENT 2-POS + GROUND



DIMENSION DRAWING



ORDER DATA

Cable	Length/L	Description	2-pos + Ground Part-no.
PVC, black	2m	SAL-B-V2PE-0-0220-2/A2	55-00101
LiYY	3m	SAL-B-V2PE-0-0220-3/A2	55-00102
3x0,5mm ²	5m	SAL-B-V2PE-0-0220-5/A2	55-00103
	10m	SAL-B-V2PE-0-0220-10/A2	55-00104
PUR/PVC	2m	SAL-B-V2PE-0-0220-2/H2	55-00099
black	3m	SAL-B-V2PE-0-0220-3/H2	55-00002
LiYY11Y	5m	SAL-B-V2PE-0-0220-5/H2	55-00003
3x0,5mm ²	10m	SAL-B-V2PE-0-0220-10/H2	55-00100

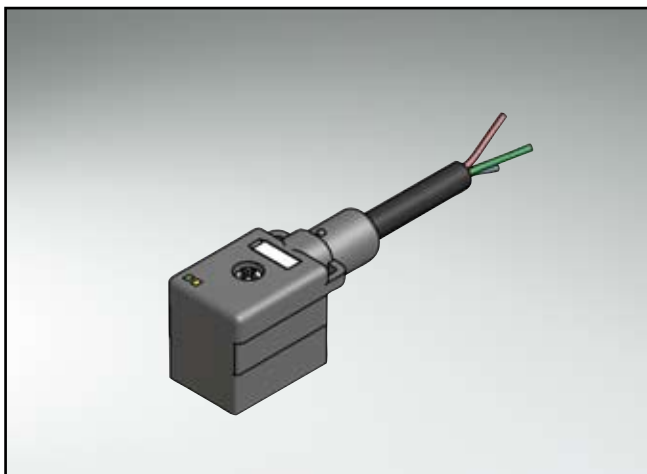
For custom length or quality levels contact factory.

Cable	Length/L	Description	2-pos + Ground Part-no.
PVC, UL, grey	2m	SAL-B-V2PE-0-0220-2/A3/075	55-00115
LiYY 3x0,75mm ²	3m	SAL-B-V2PE-0-0220-3/A3/075	55-00116
	5m	SAL-B-V2PE-0-0220-5/A3/075	55-00117
	10m	SAL-B-V2PE-0-0220-10/A3/075	55-00118
TPU, UL, black	2m	SAL-B-V2PE-0-0220-2/K1/075	55-00111
	3m	SAL-B-V2PE-0-0220-3/K1/075	55-00112
Li9Y11Y, 3x0,75mm ²	5m	SAL-B-V2PE-0-0220-5/K1/075	55-00113
	10m	SAL-B-V2PE-0-0220-10/K1/075	55-00114

For custom length or quality levels contact factory.

VALVEPLUGS CONFIGURATION B, WITH OVERMOULDED CABLE

2-pos + ground, with protection circuit



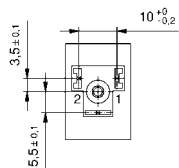
TECHNICAL DATA

Rated voltage	24 AC/DC
Current rating	4A at +40°C
Pollution degree	3
Degree of protection	IP67 in mated condition
Temperature range	-25°C to +80°C
Mating cycles	> 50

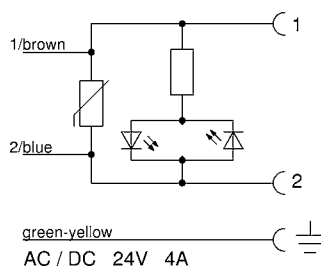
Directive 2002 95 EC
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Compliant

PIN CONFIGURATION

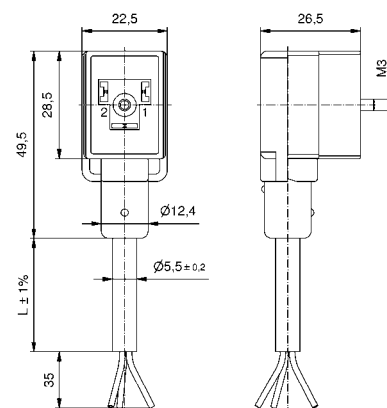
2-pos + Ground



CONTACT ASSIGNMENT 2-POS + GROUND



DIMENSION DRAWING



ORDER DATA

Cable	Length/L	Description	2-pos + Ground Part-no.
PVC, black	2m	SAL-B-V2PE-0-124-2/A2	55-00107
LiYY 3x0,5mm ²	3m	SAL-B-V2PE-0-124-3/A2	55-00108
	5m	SAL-B-V2PE-0-124-5/A2	55-00109
	10m	SAL-B-V2PE-0-124-10/A2	55-00110
PUR/PVC	2m	SAL-B-V2PE-0-124-2/H2	55-00105
black	3m	SAL-B-V2PE-0-124-3/H2	55-00018
LiYY11Y	5m	SAL-B-V2PE-0-124-5/H2	55-00019
3x0,5mm ²	10m	SAL-B-V2PE-0-124-10/H2	55-00106

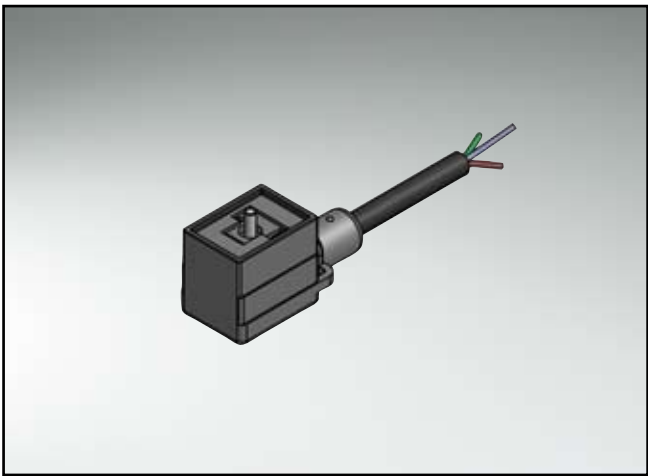
For custom length or quality levels contact factory.

Cable	Length/L	Description	2-pos + Ground Part-no.
PVC, UL, grey	2m	SAL-B-V2PE-0-124-2/A3/075	55-00123
LiYY 3x0,75mm ²	3m	SAL-B-V2PE-0-124-3/A3/075	55-00124
	5m	SAL-B-V2PE-0-124-5/A3/075	55-00125
	10m	SAL-B-V2PE-0-124-10/A3/075	55-00126
TPU, UL	2m	SAL-B-V2PE-0-124-2/K1/075	55-00119
black	3m	SAL-B-V2PE-0-124-3/K1/075	55-00120
Li9Y11Y,	5m	SAL-B-V2PE-0-124-5/K1/075	55-00121
3x0,75mm ²	10m	SAL-B-V2PE-0-124-10/K1/075	55-00122

For custom length or quality levels contact factory.

VALVEPLUGS CONFIGURATION B, WITH OVERMOULDED CABLE

2-pos + ground, without protection circuit, ground turned 180°



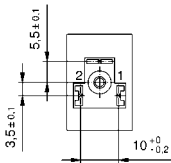
TECHNICAL DATA

Rated voltage	230 AC/DC
Current rating	4A at +40°C
Pollution degree	3
Degree of protection	IP67 in mated condition
Temperature range	-25°C to +80°C
Mating cycles	> 50

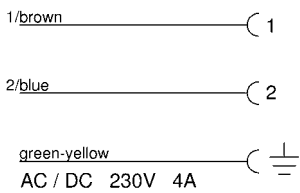
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

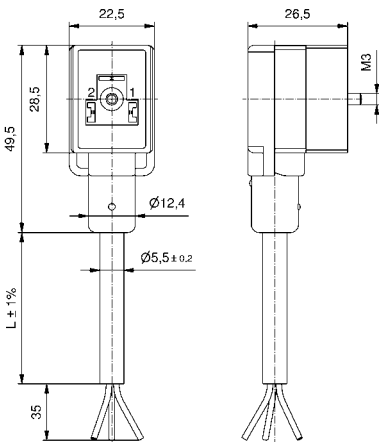
2-pos + Ground



CONTACT ASSIGNMENT 2-POS + GROUND



DIMENSION DRAWING



ORDER DATA

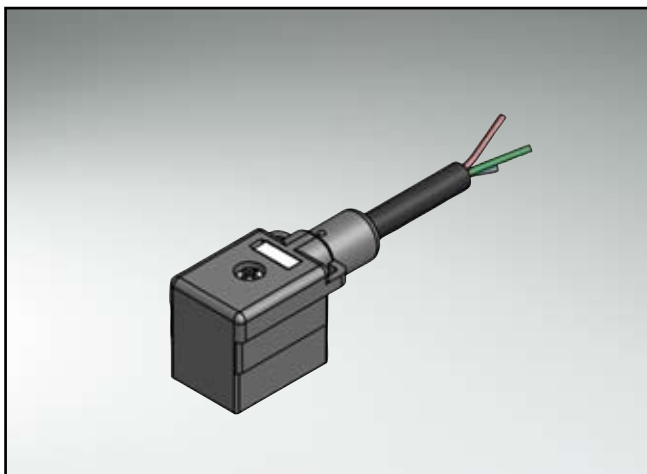
Cable	Length/L	Description	2-pos + Ground Part-no.	Cable	Length/L	Description	2-pos + Ground Part-no.
PVC, black	2m	SAL-B-V2PE-180-0220-2/A2	55-00129	PVC, UL, grey	2m	SAL-B-V2PE-180-0220-2/A3/075	55-00143
LiYY 3x0,5mm ²	3m	SAL-B-V2PE-180-0220-3/A2	55-00130	LiYY 3x0,75mm ²	3m	SAL-B-V2PE-180-0220-3/A3/075	55-00144
	5m	SAL-B-V2PE-180-0220-5/A2	55-00131		5m	SAL-B-V2PE-180-0220-5/A3/075	55-00145
	10m	SAL-B-V2PE-180-0220-10/A2	55-00132		10m	SAL-B-V2PE-180-0220-10/A3/075	55-00075
PUR/PVC	2m	SAL-B-V2PE-180-0220-2/H2	55-00127	TPU, UL, black	2m	SAL-B-V2PE-180-0220-2/K1/075	55-00139
black	3m	SAL-B-V2PE-180-0220-3/H2	55-00006	Li9Y11Y, 3x0,75mm ²	3m	SAL-B-V2PE-180-0220-3/K1/075	55-00140
LiYY11Y	5m	SAL-B-V2PE-180-0220-5/H2	55-00007		5m	SAL-B-V2PE-180-0220-5/K1/075	55-00141
3x0,5mm ²	10m	SAL-B-V2PE-180-0220-10/H2	55-00128		10m	SAL-B-V2PE-180-0220-10/K1/075	55-00142

For custom length or quality levels contact factory.

For custom length or quality levels contact factory.

VALVEPLUGS CONFIGURATION B, WITH OVERMOULDED CABLE

2-pos + ground, with protection circuit, ground turned 180°



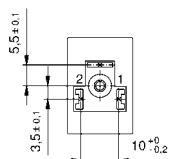
TECHNICAL DATA

Rated voltage	24 AC/DC
Current rating	4A at +40°C
Pollution degree	3
Degree of protection	IP67 in mated condition
Temperature range	-25°C to +80°C
Mating cycles	> 50

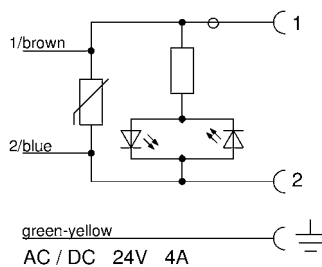
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PIN CONFIGURATION

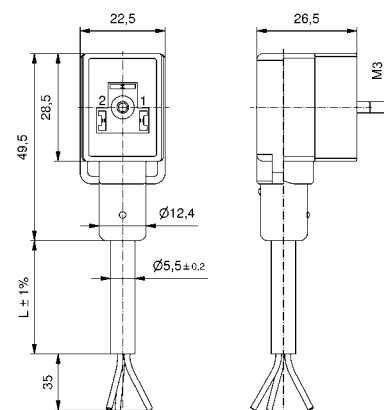
2-pos + Ground



CONTACT ASSIGNMENT 2-POS + GROUND



DIMENSION DRAWING



ORDER DATA

Cable	Length/L	Description	2-pos + Ground Part-no.
PVC, black	2m	SAL-B-V2PE-180-124-2/A2	55-00135
LiYY 3x0,5mm ²	3m	SAL-B-V2PE-180-124-3/A2	55-00136
	5m	SAL-B-V2PE-180-124-5/A2	55-00137
	10m	SAL-B-V2PE-180-124-10/A2	55-00138
PUR/PVC	2m	SAL-B-V2PE-180-124-2/H2	55-00133
black	3m	SAL-B-V2PE-180-124-3/H2	55-00022
LiYY11Y	5m	SAL-B-V2PE-180-124-5/H2	55-00023
3x0,5mm ²	10m	SAL-B-V2PE-180-124-10/H2	55-00134

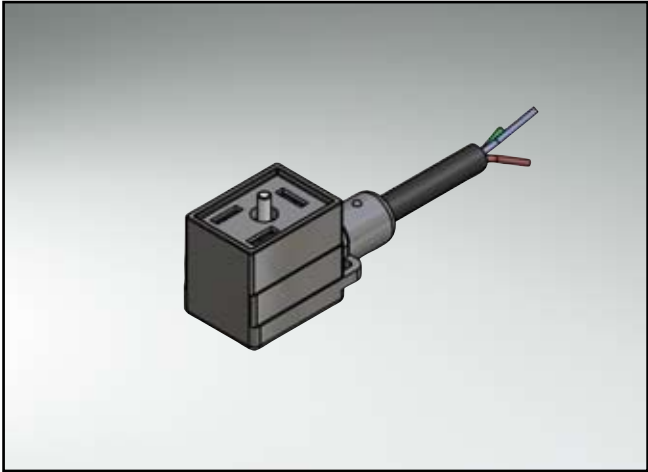
For custom length or quality levels contact factory.

Cable	Length/L	Description	2-pos + Ground Part-no.
PVC, UL, grey	2m	SAL-B-V2PE-180-124-2/A3/075	55-00150
LiYY 3x0,75mm ²	3m	SAL-B-V2PE-180-124-3/A3/075	55-00151
	5m	SAL-B-V2PE-180-124-5/A3/075	55-00152
	10m	SAL-B-V2PE-180-124-10/A3/075	55-00153
TPU, UL, black	2m	SAL-B-V2PE-180-124-2/K1/075	55-00146
Li9Y11Y, 3x0,75mm ²	3m	SAL-B-V2PE-180-124-3/K1/075	55-00147
	5m	SAL-B-V2PE-180-124-5/K1/075	55-00148
	10m	SAL-B-V2PE-180-124-10/K1/075	55-00149

For custom length or quality levels contact factory.

VALVEPLUGS CONFIGURATION B-INDUSTRIE, WITH OVERMOULDED CABLE

2-pos + ground, without protection circuit



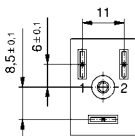
TECHNICAL DATA

Rated voltage	230 AC/DC
Current rating	4A at +40°C
Pollution degree	3
Degree of protection	IP67 in mated condition
Temperature range	-25°C to +80°C
Mating cycles	> 50

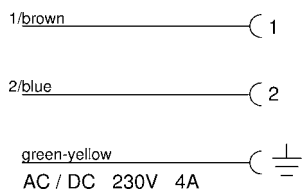
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PIN CONFIGURATION

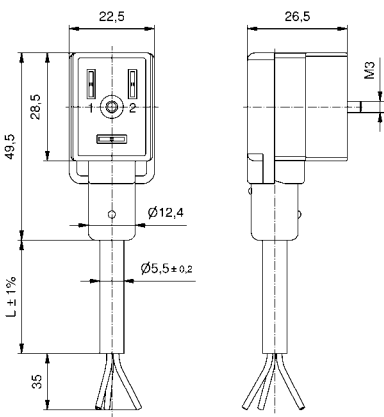
2-pos + Ground



CONTACT ASSIGNMENT 2-POS + GROUND



DIMENSION DRAWING



ORDER DATA

Cable	Length/L	Description	2-pos + Ground Part-no.
PVC, black	2m	SAL-BI-V2PE-0-0220-2/A2	55-00156
LiYYav 3x0,5mm ²	3m	SAL-BI-V2PE-0-0220-3/A2	55-00157
	5m	SAL-BI-V2PE-0-0220-5/A2	55-00158
	10m	SAL-BI-V2PE-0-0220-10/A2	55-00159
PUR/PVC	2m	SAL-BI-V2PE-0-0220-2/H2	55-00154
black	3m	SAL-BI-V2PE-0-0220-3/H2	55-00008
LiYY11Y	5m	SAL-BI-V2PE-0-0220-5/H2	55-00009
3x0,5mm ²	10m	SAL-BI-V2PE-0-0220-10/H2	55-00155

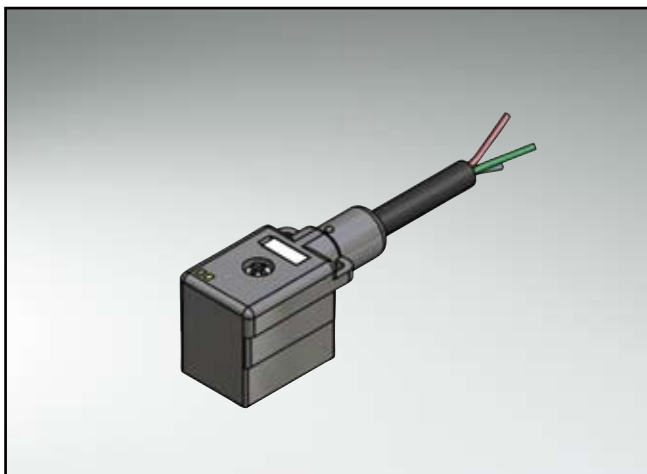
For custom length or quality levels contact factory.

Cable	Length/L	Description	2-pos + Ground Part-no.
PVC, UL, grey	2m	SAL-BI-V2PE-0-0220-2/A3/075	55-00169
LiYY 3x0,75mm ²	3m	SAL-BI-V2PE-0-0220-3/A3/075	55-00170
	5m	SAL-BI-V2PE-0-0220-5/A3/075	55-00171
	10m	SAL-BI-V2PE-0-0220-10/A3/075	55-00172
TPU, UL,	2m	SAL-BI-V2PE-0-0220-2/K1/075	55-00165
black	3m	SAL-BI-V2PE-0-0220-3/K1/075	55-00166
Li9Y11Y,	5m	SAL-BI-V2PE-0-0220-5/K1/075	55-00167
3x0,75mm ²	10m	SAL-BI-V2PE-0-0220-10/K1/075	55-00168

For custom length or quality levels contact factory.

VALVEPLUGS CONFIGURATION B-INDUSTRIE, WITH OVERMOULDED CABLE

2-pos + ground, with protection circuit



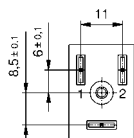
TECHNICAL DATA

Rated voltage	24 AC/DC
Current rating	4A at +40°C
Pollution degree	3
Degree of protection	IP67 in mated condition
Temperature range	-25°C to +80°C
Mating cycles	> 50

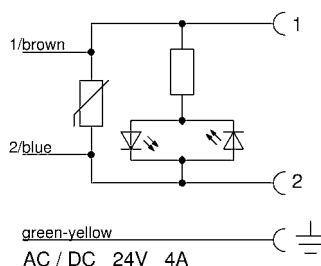
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PIN CONFIGURATION

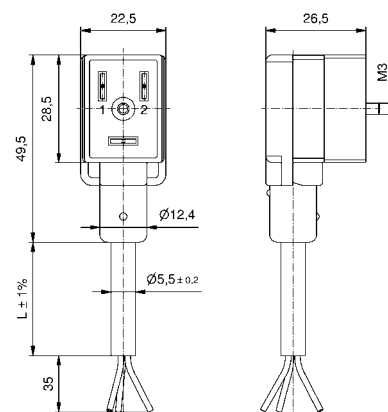
2-pos + Ground



CONTACT ASSIGNMENT 2-POS + GROUND



DIMENSION DRAWING



ORDER DATA

Cable	Length/L	Description	2-pos + Ground Part-no.
PVC, black	2m	SAL-BI-V2PE-0-124-2/A2	55-00161
LiYY 3x0,5mm ²	3m	SAL-BI-V2PE-0-124-3/A2	55-00162
	5m	SAL-BI-V2PE-0-124-5/A2	55-00163
	10m	SAL-BI-V2PE-0-124-10/A2	55-00164
PUR/PVC	2m	SAL-BI-V2PE-0-124-2/H2	55-00160
black	3m	SAL-BI-V2PE-0-124-3/H2	55-00012
LiYY11Y	5m	SAL-BI-V2PE-0-124-5/H2	55-00013
3x0,5mm ²	10m	SAL-BI-V2PE-0-124-10/H2	55-00040

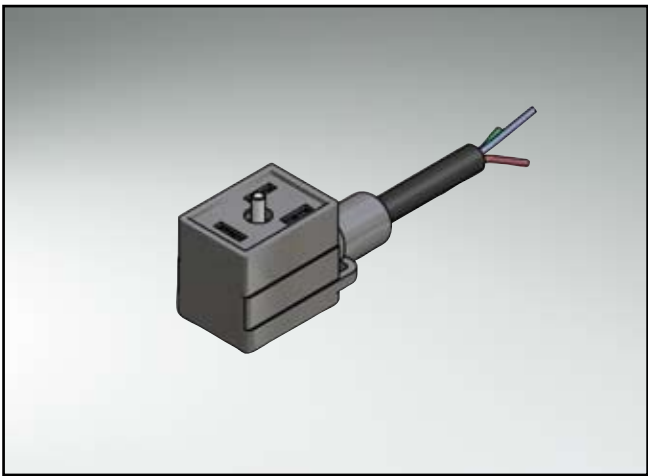
For custom length or quality levels contact factory.

Cable	Length/L	Description	2-pos + Ground Part-no.
PVC, UL, grey	2m	SAL-BI-V2PE-0-124-2/A3/075	55-00177
LiYY 3x0,75mm ²	3m	SAL-BI-V2PE-0-124-3/A3/075	55-00178
	5m	SAL-BI-V2PE-0-124-5/A3/075	55-00179
	10m	SAL-BI-V2PE-0-124-10/A3/075	55-00180
TPU, UL, black	2m	SAL-BI-V2PE-0-124-2/K1/075	55-00173
Li9Y11Y, 3x0,75mm ²	3m	SAL-BI-V2PE-0-124-3/K1/075	55-00174
	5m	SAL-BI-V2PE-0-124-5/K1/075	55-00175
	10m	SAL-BI-V2PE-0-124-10/K1/075	55-00176

For custom length or quality levels contact factory.

VALVEPLUGS CONFIGURATION B-INDUSTRIE, WITH OVERMOULDED CABLE

2-pos + ground, without protection circuit, ground turned 180°



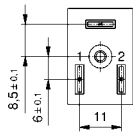
TECHNICAL DATA

Rated voltage	230 AC/DC
Current rating	4A at +40°C
Pollution degree	3
Degree of protection	IP67 in mated condition
Temperature range	-25°C to +80°C
Mating cycles	> 50

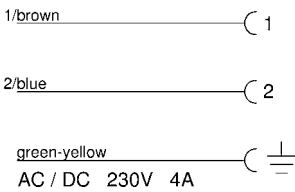
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PIN CONFIGURATION

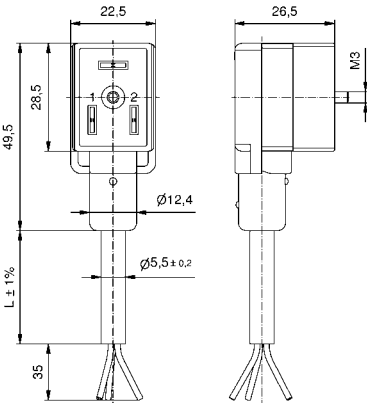
2-pos + Ground



CONTACT ASSIGNMENT 2-POS + GROUND



DIMENSION DRAWING



ORDER DATA

Cable	Length/L	Description	2-pos + Ground Part-no.
PVC, black	2m	SAL-BI-V2PE-180-0220-2/A2	55-00183
LiYY 3x0,5mm ²	3m	SAL-BI-V2PE-180-0220-3/A2	55-00184
	5m	SAL-BI-V2PE-180-0220-5/A2	55-00185
	10m	SAL-BI-V2PE-180-0220-10/A2	55-00186
PUR/PVC	2m	SAL-BI-V2PE-180-0220-2/H2	55-00181
black	3m	SAL-BI-V2PE-180-0220-3/H2	55-00010
LiYY11Y	5m	SAL-BI-V2PE-180-0220-5/H2	55-00011
3x0,5mm ²	10m	SAL-BI-V2PE-180-0220-10/H2	55-00182

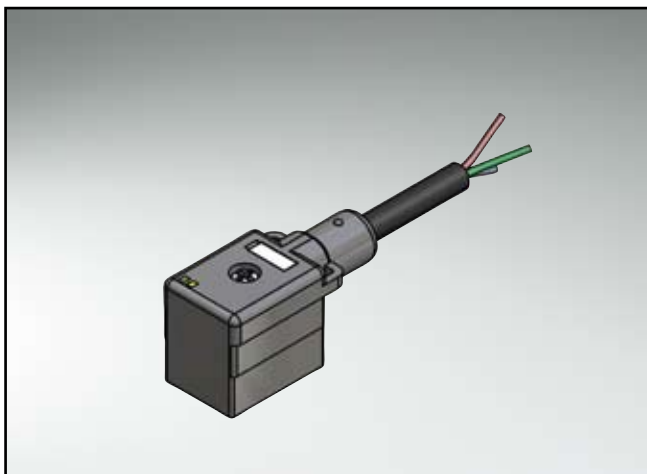
For custom length or quality levels contact factory.

Cable	Length/L	Description	2-pos + Ground Part-no.
PVC, UL, grey	2m	SAL-BI-V2PE-180-0220-2/A3/075	55-00195
LiYY 3x0,75mm ²	3m	SAL-BI-V2PE-180-0220-3/A3/075	55-00196
	5m	SAL-BI-V2PE-180-0220-5/A3/075	55-00197
	10m	SAL-BI-V2PE-180-0220-10/A3/075	55-00198
TPU, UL,	2m	SAL-BI-V2PE-180-0220-2/K1/075	55-00191
black	3m	SAL-BI-V2PE-180-0220-3/K1/075	55-00192
Li9Y11Y,	5m	SAL-BI-V2PE-180-0220-5/K1/075	55-00193
3x0,75mm ²	10m	SAL-BI-V2PE-180-0220-10/K1/075	55-00194

For custom length or quality levels contact factory.

VALVEPLUGS CONFIGURATION B-INDUSTRIE, WITH OVERMOULDED CABLE

2-pos + ground, with protection circuit, ground turned 180°



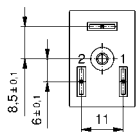
TECHNICAL DATA

Rated voltage	24 AC/DC
Current rating	4A at +40°C
Pollution degree	3
Degree of protection	IP67 in mated condition
Temperature range	-25°C to +80°C
Mating cycles	> 50

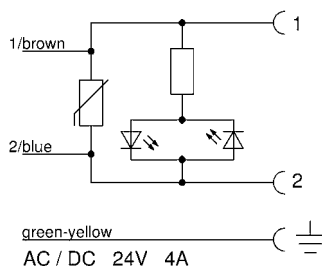
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PIN CONFIGURATION

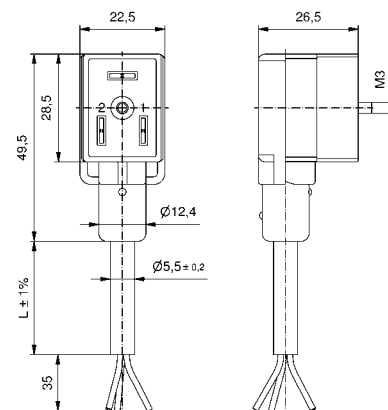
2-pos + Ground



CONTACT ASSIGNMENT 2-POS + GROUND



DIMENSION DRAWING



ORDER DATA

Cable	Length/L	Description	2-pos + Ground Part-no.
PVC, black	2m	SAL-BI-V2PE-180-124-2/A2	55-00187
LiYY 3x0,5mm ²	3m	SAL-BI-V2PE-180-124-3/A2	55-00188
	5m	SAL-BI-V2PE-180-124-5/A2	55-00189
	10m	SAL-BI-V2PE-180-124-10/A2	55-00190
PUR/PVC	2m	SAL-BI-V2PE-180-124-2/H2	55-00073
black	3m	SAL-BI-V2PE-180-124-3/H2	55-00014
LiYY11Y	5m	SAL-BI-V2PE-180-124-5/H2	55-00015
3x0,5mm ²	10m	SAL-BI-V2PE-180-124-10/H2	55-00074

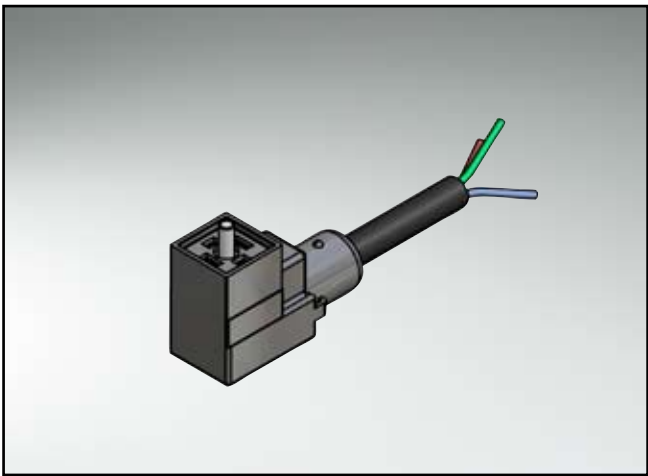
For custom length or quality levels contact factory.

Cable	Length/L	Description	2-pos + Ground Part-no.
PVC, UL, grey	2m	SAL-BI-V2PE-180-124-2/A3/075	55-00203
LiYY 3x0,75mm ²	3m	SAL-BI-V2PE-180-124-3/A3/075	55-00204
	5m	SAL-BI-V2PE-180-124-5/A3/075	55-00205
	10m	SAL-BI-V2PE-180-124-10/A3/075	55-00206
TPU, UL, black	2m	SAL-BI-V2PE-180-124-2/K1/075	55-00199
Li9Y11Y, 3x0,75mm ²	3m	SAL-BI-V2PE-180-124-3/K1/075	55-00200
	5m	SAL-BI-V2PE-180-124-5/K1/075	55-00201
	10m	SAL-BI-V2PE-180-124-10/K1/075	55-00202

For custom length or quality levels contact factory.

VALVEPLUGS CONFIGURATION C, WITH OVERMOULDED CABLE

2-pos + ground, ground jumpered, without protection circuit

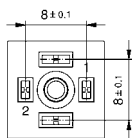


TECHNICAL DATA	
Rated voltage	230 AC/DC
Current rating	4A at +40°C
Pollution degree	3
Degree of protection	IP67 in mated condition
Temperature range	-25°C to +80°C
Mating cycles	> 50

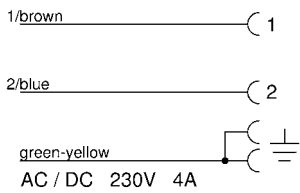
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PIN CONFIGURATION

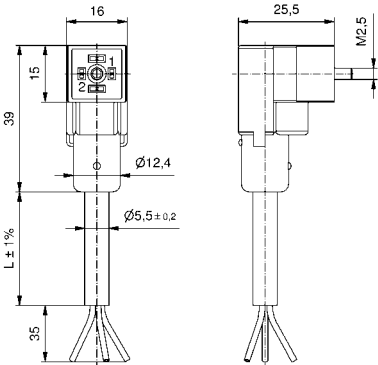
2-pos + Ground



CONTACT ASSIGNMENT 2-POS + GROUND



DIMENSION DRAWING



ORDER DATA

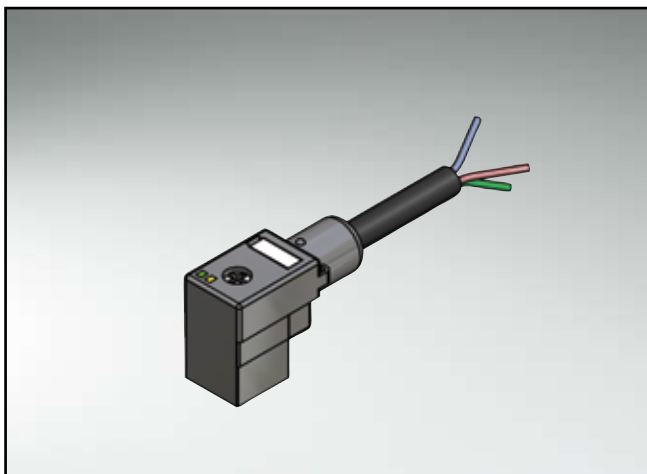
Cable	Length/L	Description	2-pos + Ground Part-no.	Cable	Length/L	Description	2-pos + Ground Part-no.
PVC, black LiYY 3x0,5mm ²	2m	SAL-C8-V2PEG-0-0220-2/A2	55-00209	PVC, UL, grey LiYY 3x0,75mm ²	2m	SAL-C8-V2PEG-0-0220-2/A3/075	55-00222
	3m	SAL-C8-V2PEG-0-0220-3/A2	55-00210		3m	SAL-C8-V2PEG-0-0220-3/A3/075	55-00223
	5m	SAL-C8-V2PEG-0-0220-5/A2	55-00211		5m	SAL-C8-V2PEG-0-0220-5/A3/075	55-00224
	10m	SAL-C8-V2PEG-0-0220-10/A2	55-00212		10m	SAL-C8-V2PEG-0-0220-10/A3/075	55-00225
PUR/PVC black LiYY11Y 3x0,5mm ²	2m	SAL-C8-V2PEG-0-0220-2/H2	55-00207	TPU, UL, black Li9Y11Y, 3x0,75mm ²	2m	SAL-C8-V2PEG-0-0220-2/K1/075	55-00218
	3m	SAL-C8-V2PEG-0-0220-3/H2	55-00016		3m	SAL-C8-V2PEG-0-0220-3/K1/075	55-00219
	5m	SAL-C8-V2PEG-0-0220-5/H2	55-00017		5m	SAL-C8-V2PEG-0-0220-5/K1/075	55-00220
	10m	SAL-C8-V2PEG-0-0220-10/H2	55-00208		10m	SAL-C8-V2PEG-0-0220-10/K1/075	55-00221

For custom length or quality levels contact factory.

For custom length or quality levels contact factory.

VALVEPLUGS CONFIGURATION C, WITH OVERMOULDED CABLE

2-pos + ground, ground jumpered, with protection circuit



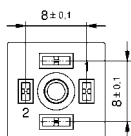
TECHNICAL DATA

Rated voltage	24 AC/DC
Current rating	4A at +40°C
Pollution degree	3
Degree of protection	IP67 in mated condition
Temperature range	-25°C to +80°C
Mating cycles	> 50

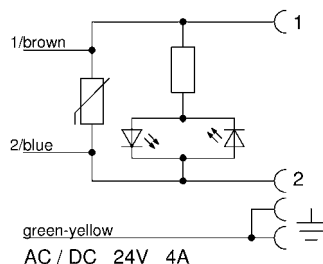
Directive 2002/95/EC
"RoHS"
Compliant

PIN CONFIGURATION

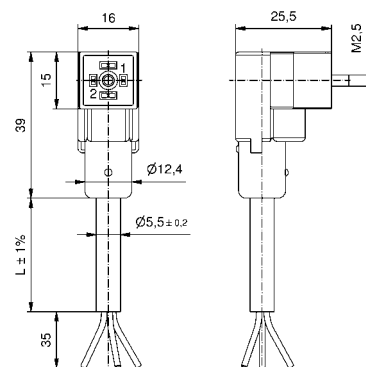
2-pos + Ground



CONTACT ASSIGNMENT 2-POS + GROUND



DIMENSION DRAWING



ORDER DATA

Cable	Length/L	Description	2-pos + Ground Part-no.
PVC, black	2m	SAL-C8-V2PEG-0-124-2/A2	55-00214
LiYY 3x0,5mm ²	3m	SAL-C8-V2PEG-0-124-3/A2	55-00215
	5m	SAL-C8-V2PEG-0-124-5/A2	55-00216
	10m	SAL-C8-V2PEG-0-124-10/A2	55-00217
PUR/PVC	2m	SAL-C8-V2PEG-0-124-2/H2	55-00213
black	3m	SAL-C8-V2PEG-0-124-3/H2	55-00020
LiYY11Y	5m	SAL-C8-V2PEG-0-124-5/H2	55-00021
3x0,5mm ²	10m	SAL-C8-V2PEG-0-124-10/H2	55-00041

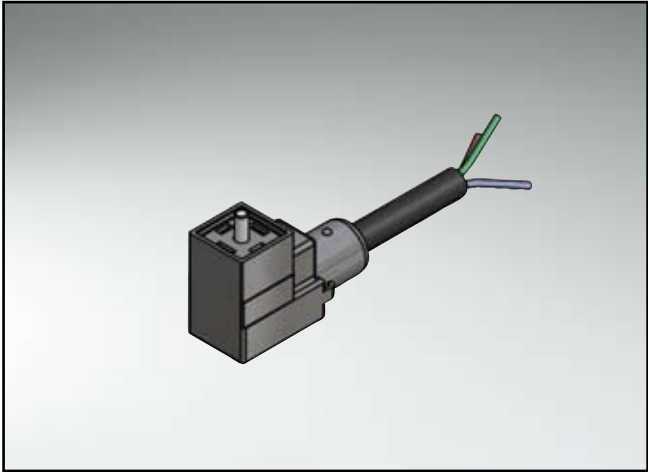
For custom length or quality levels contact factory.

Cable	Length/L	Description	2-pos + Ground Part-no.
PVC, UL, grey	2m	SAL-C8-V2PEG-0-124-2/A3/075	55-00230
LiYY 3x0,75mm ²	3m	SAL-C8-V2PEG-0-124-3/A3/075	55-00231
	5m	SAL-C8-V2PEG-0-124-5/A3/075	55-00232
	10m	SAL-C8-V2PEG-0-124-10/A3/075	55-00233
TPU, UL, black	2m	SAL-C8-V2PEG-0-124-2/K1/075	55-00226
Li9Y11Y, 3x0,75mm ²	3m	SAL-C8-V2PEG-0-124-3/K1/075	55-00227
	5m	SAL-C8-V2PEG-0-124-5/K1/075	55-00228
	10m	SAL-C8-V2PEG-0-124-10/K1/075	55-00229

For custom length or quality levels contact factory.

VALVEPLUGS CONFIGURATION C, WITH OVERMOULDED CABLE

2-pos + ground, ground jumpered, without protection circuit,
contact distance 9,4mm



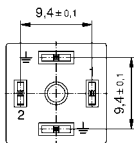
TECHNICAL DATA

Rated voltage	230 AC/DC
Current rating	4A at +40°C
Pollution degree	3
Degree of protection	IP67 in mated condition
Temperature range	-25°C to +80°C
Mating cycles	> 50

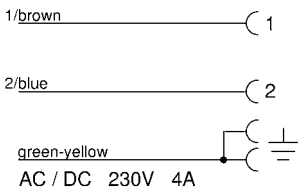
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

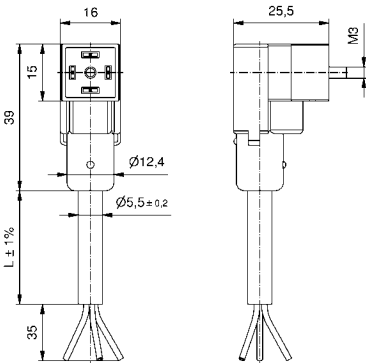
2-pos + Ground



CONTACT ASSIGNMENT 2-POS + GROUND



DIMENSION DRAWING



ORDER DATA

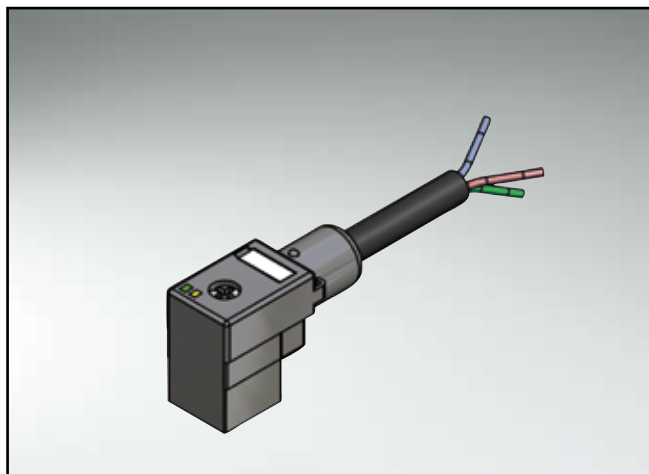
Cable	Length/L	Description	2-pos + Ground Part-no.	Cable	Length/L	Description	2-pos + Ground Part-no.
PVC, black	2m	SAL-C9-V2PEG-0-0220-2/A2	55-00235	PVC, UL, grey	2m	SAL-C9-V2PEG-0-0220-2/A3/075	55-00248
LiYY 3x0,5mm ²	3m	SAL-C9-V2PEG-0-0220-3/A2	55-00236	LiYY 3x0,75mm ²	3m	SAL-C9-V2PEG-0-0220-3/A3/075	55-00249
	5m	SAL-C9-V2PEG-0-0220-5/A2	55-00237		5m	SAL-C9-V2PEG-0-0220-5/A3/075	55-00250
	10m	SAL-C9-V2PEG-0-0220-10/A2	55-00238		10m	SAL-C9-V2PEG-0-0220-10/A3/075	55-00251
PUR/PVC	2m	SAL-C9-V2PEG-0-0220-2/H2	55-00234	TPU, UL, black	2m	SAL-C9-V2PEG-0-0220-2/K1/075	55-00244
black	3m	SAL-C9-V2PEG-0-0220-3/H2	55-00024	Li9Y11Y, 3x0,75mm ²	3m	SAL-C9-V2PEG-0-0220-3/K1/075	55-00245
LiYY11Y	5m	SAL-C9-V2PEG-0-0220-5/H2	55-00025		5m	SAL-C9-V2PEG-0-0220-5/K1/075	55-00246
3x0,5mm ²	10m	SAL-C9-V2PEG-0-0220-10/H2	55-00046		10m	SAL-C9-V2PEG-0-0220-10/K1/075	55-00247

For custom length or quality levels contact factory.

For custom length or quality levels contact factory.

VALVEPLUGS CONFIGURATION C, WITH OVERMOULDED CABLE

2-pos + ground, ground jumpered, with protection circuit,
contact distance 9,4mm



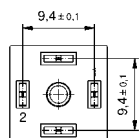
TECHNICAL DATA

Rated voltage	24 AC/DC
Current rating	4A at +40°C
Pollution degree	3
Degree of protection	IP67 in mated condition
Temperature range	-25°C to +80°C
Mating cycles	> 50

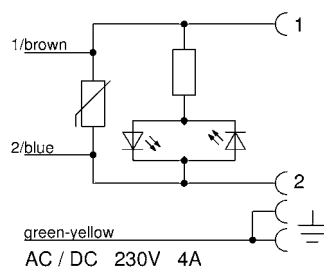
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

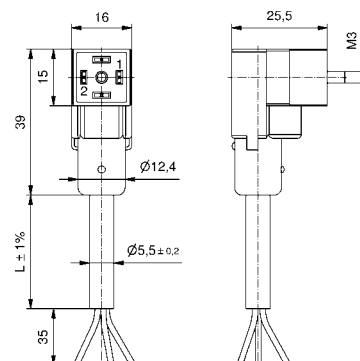
2-pos + Ground



CONTACT ASSIGNMENT 2-POS + GROUND



DIMENSION DRAWING



ORDER DATA

Cable	Length/L	Description	2-pos + Ground Part-no.
PVC, black	2m	SAL-C9-V2PEG-0-124-2/A2	55-00240
LiYY 3x0,5mm ²	3m	SAL-C9-V2PEG-0-124-3/A2	55-00241
	5m	SAL-C9-V2PEG-0-124-5/A2	55-00242
	10m	SAL-C9-V2PEG-0-124-10/A2	55-00243
PUR/PVC	2m	SAL-C9-V2PEG-0-124-2/H2	55-00239
black	3m	SAL-C9-V2PEG-0-124-3/H2	55-00028
LiYY11Y	5m	SAL-C9-V2PEG-0-124-5/H2	55-00029
3x0,5mm ²	10m	SAL-C9-V2PEG-0-124-10/H2	55-00042

For custom length or quality levels contact factory.

Cable	Length/L	Description	2-pos + Ground Part-no.
PVC, UL, grey	2m	SAL-C9-V2PEG-0-124-2/A3/075	55-00256
LiYY 3x0,75mm ²	3m	SAL-C9-V2PEG-0-124-3/A3/075	55-00257
	5m	SAL-C9-V2PEG-0-124-5/A3/075	55-00258
	10m	SAL-C9-V2PEG-0-124-10/A3/075	55-00259
TPU, UL,	2m	SAL-C9-V2PEG-0-124-2/K1/075	55-00252
black	3m	SAL-C9-V2PEG-0-124-3/K1/075	55-00253
Li9Y11Y,	5m	SAL-C9-V2PEG-0-124-5/K1/075	55-00254
3x0,75mm ²	10m	SAL-C9-V2PEG-0-124-10/K1/075	55-00255

For custom length or quality levels contact factory.

SECTION 11

ACCESSORIES/CABLE MATRIX/ TECHNICAL INFORMATION



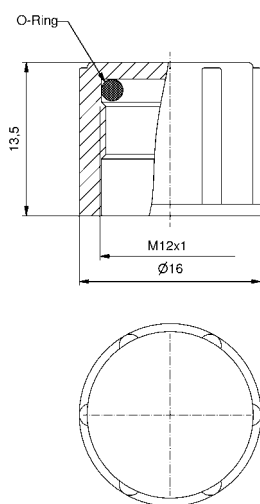


SAL PROTECTION CAP

M12x1 Male connector yellow



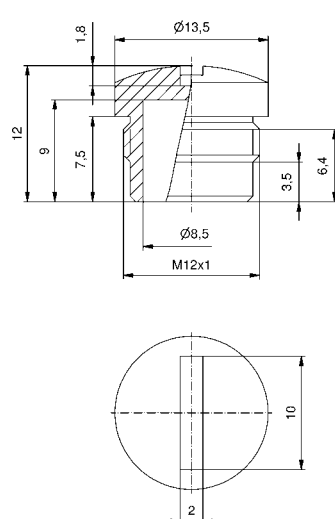
DIMENSION DRAWING



M12x1 Female connector black
M12x1 Female connector white



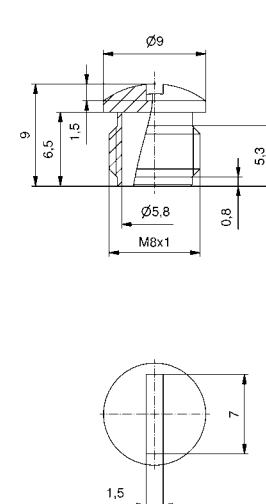
DIMENSION DRAWING



M8x1 Female connector black



DIMENSION DRAWING



ORDER DATA

	Description	Part-no.
M12x1	Protection cap M12x1 Male connector yellow	43-11359
M12x1	Protection cap M12x1 Female connector black	43-11357
M12x1	Protection cap M12x1 Female connector white	43-11358
M8x1	Protection cap M8x1 Female connector black	42-10129

SAL M12X1 CONNECTORS

	Pos	Cable-diameter	Wire	Colour of wire
A1 PVC GREY	3-pos	4,4	3x0,34mm ²	bn - bu - bk
	4-pos	5,4	4x0,34mm ²	bn - wh - bu - bk
	5-pos	5,2	5x0,34mm ²	bn - wh - bu - bk - gn/ye
	6-pos	6,0	6x0,25mm ²	bn - wh - bu - bk - gy - pk
	8-pos	6,2	8x0,25mm ²	wh - bn - gn - ye - gy - pk - bu - rd
A3 PVC UL GREY	12-pos	6,2	12x0,14mm ²	bn - bu - wh - gn - pk - ye - bk - gy - rd - vt - gy/pk - rd/bu
G2 TPU UL BLACK	4-pos	5,4	4x0,34mm ²	bn - wh - bu - bk
	5-pos	5,4	5x0,25mm ²	bn - wh - bu - bk - gy
	8-pos	6,6	8x0,25mm ²	wh - bn - gn - ye - gy - pk - bu - rd
	12-pos	6,2	12x0,14mm ²	bn - bu - wh - gn - pk - ye - bk - gy - rd - vt - gy/pk - rd/bu
G3 PVC UL GREY	4-pos	5,4	4x0,34mm ²	bn - wh - bu - bk
	5-pos	5,4	5x0,25mm ²	bn - wh - bu - bk - gy
	8-pos	6,6	8x0,25mm ²	wh - bn - gn - ye - gy - pk - bu - rd
	12-pos	6,7	12x0,14mm ²	bn - bu - wh - gn - pk - ye - bk - gy - rd - vt - gy/pk - rd/bu
J1 UL ORANGE	3-pos	4,4	3x0,34mm ²	bn - bu - bk
	4-pos	5,4	4x0,34mm ²	bn - wh - bu - bk
	5-pos	5,4	5x0,34mm ²	bn - wh - bu - bk - gn/ye
K1 TPU UL BLACK	3-pos	4,4	3x0,34mm ²	bn - bu - bk
	4-pos	4,7	4x0,34mm ²	bn - wh - bu - bk
	5-pos	5,1	5x0,34mm ²	bn - wh - bu - bk - gn/ye
	6-pos	6	6x0,25mm ²	bn - wh - bu - bk - gy - pk
	8-pos	6	8x0,25mm ²	wh - bn - gn - ye - gy - pk - bu - rd
	12-pos	6,1	12x0,14mm ²	bn - bu - wh - gn - pk - ye - bk - gy - rd - vt - gy/pk - rd/bu
P1 ORANGE	4-pos	4,7	4x0,34mm ²	bn - wh - bu - bk
	5-pos	5,2	5x0,34mm ²	bn - wh - bu - bk - gn/ye
S1 BLACK	4-pos	5,2	4x0,34mm ²	bn - wh - bu - bk
	5-pos	5,4	5x0,34mm ²	bn - wh - bu - bk - gn/ye

SAL M8x1/Ø8MM CONNECTORS

A1 PVC GREY	3-pos	4,4	3x0,25mm ²	bn - bu - bk
	4-pos	4,7	4x0,25mm ²	bn - wh - bu - bk
K1 TPU UL BLACK	3-pos	4,4	3x0,25mm ²	bn - bu - bk
	4-pos	4,4	4x0,25mm ²	bn - wh - bu - bk

SAL 7/8" CONNECTORS

A3 PVC UL GREY	3-pos	5,4	3x0,75mm ²	bn - bu - gn/ye
	4-pos	5,8	4x0,75mm ²	bk - bu - bn - wh
	5-pos	6,4	5x0,75mm ²	bu - bk - wh - bn - gn/ye
A3 PVC UL GREY	3-pos	7,1	3x1,50mm ²	bn - bu - gn/ye
	4-pos	7,8	4x1,50mm ²	bk - bu - bn - wh
	5-pos	8,5	5x1,50mm ²	bu - bk - wh - bn - gn/ye

SAL 7/8" CONNECTORS

	Pos	Cable-diameter	Wire	Colour of wire
K1 TPU UL BLACK	3-pos	5,3	3x0,75mm ²	bn - bu - gn/ye
	4-pos	5,7	4x0,75mm ²	bk - bu - bn - wh
	5-pos	6,3	5x0,75mm ²	bu - bk - wh - bn - gn/ye
K1 TPU UL BLACK	3-pos	6,5	3x1,50mm ²	bn - bu - gn/ye
	4-pos	7,1	4x1,50mm ²	bk - bu - bn - wh
	5-pos	7,8	5x1,50mm ²	bu - bk - wh - bn - gn/ye

SAL RUND24 CONNECTORS

A3 PVC UL GREY	4-pos	7,8	4x1,50mm ²	bn - bu - bk - gn/ye
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SAL M12X1 CONNECTORS FOR PROFIBUS DP

G4 TPU UL VIOLET	2-pos	8	2 AWG 22	rd - gn
G5 PVC UL VIOLET	2-pos	8	2 AWG 22	rd - gn
G7 TPU UL VIOLET	2-pos	8,5	2 AWG 24	rd - gn

SAL M12X1 CONNECTORS INDUSTRIAL ETHERNET

G6 TPU UL GREEN	4-pos	6,5	4 AWG 22	ye - wh - or - bu
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SAL VALVEPLUGS

A2 PVC BLACK	2-pos+Ground	5,5	3x0,5mm ²	bn - bu - gn/ye
H2 PVC/PUR BLACK	2-pos+Ground	5,5	3x0,5mm ²	bn - bu - gn/ye
A3 PVC UL GREY	2-pos+Ground	5,4	3x0,75mm ²	bn - bu - gn/ye
K1 TPE UL BLACK	2-pos+Ground	5,3	3x0,75mm ²	bn - bu - gn/ye

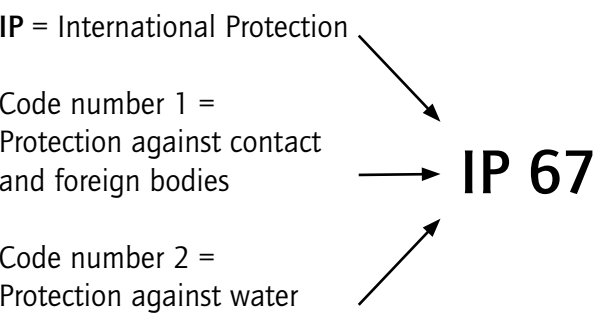
SAL JUNCTION SYSTEMS

K3 TPU UL BLACK	4-fold M12x1	8	3x1,0mm ² + 8x0,34mm ²	bu - bn - wh - gn - ye - gy - bn/gn - wh/gn - rd/bu - gy/pk - gn/ye
	8-fold M12x1	9,6	3x1,0mm ² + 16x0,34mm ²	bu - bn - wh - gn - ye - gy - pk - rd - bk - vt - gy/bn - wh/bn - ye/bn - wh/ye - bn/gn - wh/gn - rd/bu - gy/pk - gn/ye
	4-fold M8x1, 3-pos	6,4	2x0,75mm ² + 4x0,34mm ²	bu - bn - wh - gn - ye - gy
	4-fold M8x1, 4-pos	7,4	2x0,75mm ² + 8x0,34mm ²	bu - bn - wh - gn - ye - gy - gy/pk - rd/bu - wh/gn - bn/gn
	8-fold M8x1, 3-pos	7,4	2x0,75mm ² + 8x0,34mm ²	bu - bn - wh - gn - ye - gy - pk - rd - bk - vt
	8-fold M8x1, 4-pos	8,5	2x0,75mm ² + 16x0,34mm ²	bu - bn - wh - gn - ye - gy - pk - rd - bk - vt - gy/pk - rd/bu - wh/gn - bn/gn - wh/ye - ye/bn - wh/gy - gy/bn

SAL JUNCTION SYSTEMS FOOD&BEVERAGE

A2 PVC BLACK	4-fold	8,0	3x1,0mm ² + 8x0,34mm ²	bu - bn - wh - gn - ye - gy - bn/gn - wh/gn - rd/bu - gy/pk - gn/ye
	8-fold	9,6	3x1,0mm ² + 16x0,34mm ²	bu - bn - wh - gn - ye - gy - pk - rd - bk - vt - gy/bn - wh/bn - ye/bn - wh/ye - bn/gn - wh/gn - rd/bu - gy/pk - gn/ye

DEGREE OF PROTECTION



Connectors have to be protected for safety reasons from outside influences like dust, foreign objects, direct contact, moisture and water. This protection is provided on industrial connectors by its housings with their latching devices and sealed cable entries. The degree of protection can be selected depending on the type of intended use. The degree of protection is indicated by a material code which consists of constant key numbers IP (International Protection) and two subsequent code numbers. The first code number specifies the degree of protection against contact and foreign bodies. The second code number specifies the degree of protection against damaging intrusion of water.

KENNZIFFERN-DEFINITION

Code number 1	Definition	Explanation
0	Non-protected	
1	Protected against access to hazardous parts with the back of a hand. Protected against solid foreign objects of Ø ≥ 50mm	
2	Protected against access to hazardous parts with a finger. Protected against solid foreign objects of Ø ≥ 12,5mm	
3	Protected against access to hazardous parts with a tool. Protected against solid foreign objects of Ø ≥ 2,5mm	
4	Protected against access to hazardous parts with a wire. Protected against solid foreign objects of Ø ≥ 1mm	
5	Protected against access to hazardous parts with a wire. Dust protected.	Intrusion of dust is not totally prevented, but dust shall not penetrate in a quantity to interfere with satisfactory operation of the device or to impair safety.
6	Protected against access to hazardous parts with a wire. Dust-tight.	

Code number 2	Definition	Explanation
0	Non-protected	
1	Protected against water drops.	
2	Protected against water drops when enclosure tilted up to 15°.	
3	Protected against spraying water	Water sprayed of an angle up to 60° on either side of the vertical shall have no harmful effects.
4	Protected against splashing water	Water splashed against the disclosure from any direction shall have no harmful effects.
5	Protected against water jets	
6	Protected against powerful water jets	
7	Protected against the effects of temporary immersion in water	Intrusion of water in quantities causing harmful effects shall not be possible when the enclosure is temporarily immersed in water for 30 min. in 1m depth.
8	Protected against the effects of temporary immersion in water	Intrusion of water in quantities causing harmful effects shall not be possible when the enclosure is continuously immersed in water under conditions which shall be agreed between manufacturer and user but which are more severe than for numeral 7.
9	Protected against water during high pressure/steam cleaning	

AMERICAN WIRE GAUGES

Since various areas of the industry are also using wires according to the American Wire Gauge (AWG). The following comparison chart is included to allow a cross reference between AWG and metric wire sizes (mm²).

INDEX NUMBER-DEFINITION

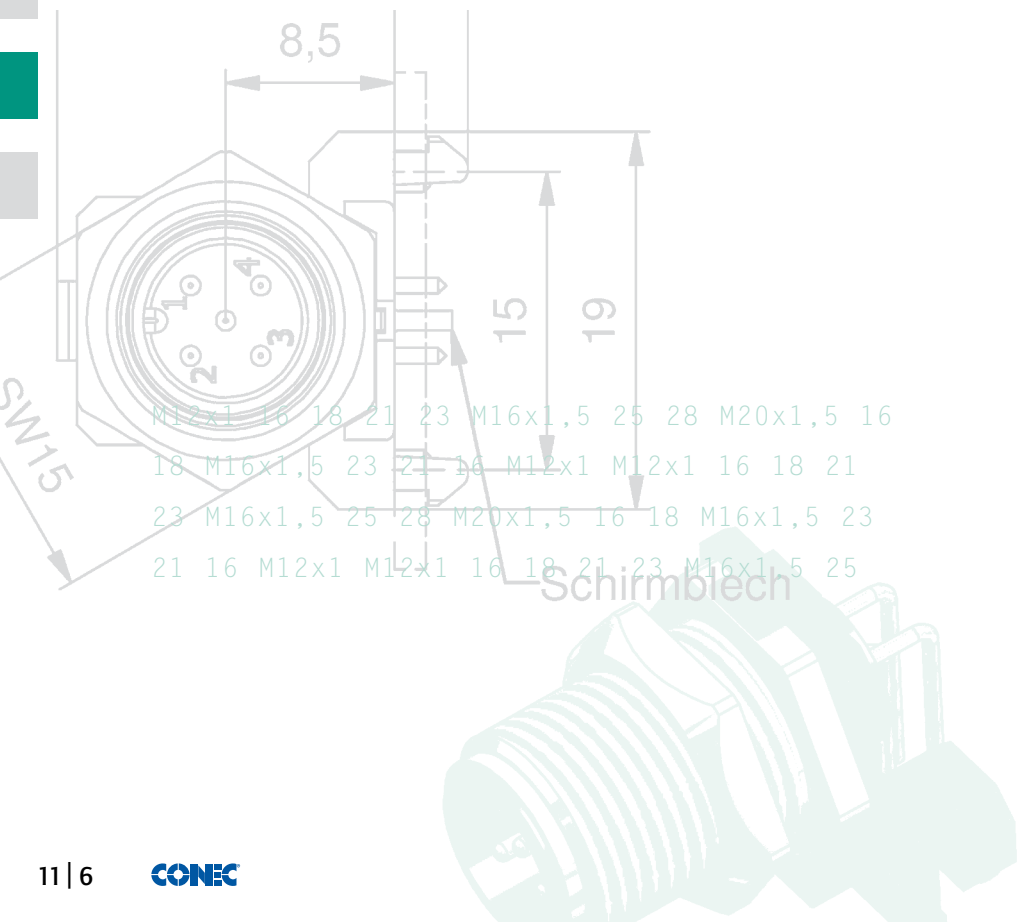
AWG	Wire structure (mm)	Wire-Ø (mm)	Wire cross section (mm ²)
30	1 x 0,25	0,25	0,05
	7 x 0,10	0,36	0,06
28	1 x 0,32	0,32	0,08
	7 x 0,13	0,38	0,09
26	1 x 0,40	0,40	0,13
	7 x 0,16	0,48	0,14
	19 x 0,10	0,51	0,15
24	1 x 0,51	0,51	0,21
	7 x 0,20	0,61	0,22
	19 x 0,13	0,64	0,25
22	1 x 0,64	0,64	0,33
	7 x 0,25	0,76	0,34
	19 x 0,16	0,81	0,38
20	1 x 0,81	0,81	0,52
	7 x 0,32	0,97	0,56
	19 x 0,25	1,27	0,93
18	1 x 1,02	1,02	0,82
	19 x 0,25	1,27	0,93
16	19 x 0,29	1,44	1,25
14	19 x 0,36	1,80	1,93
12	19 x 0,46	2,29	3,16
10	37 x 0,40	3,10	4,65

PG-THREAD – METRICAL THREAD

The interim period fro DIN 46320 „screwing for cables and conducting lines with PG-thread“ expired on 31.12.1999. Since then, screwing for cables and conducting lines had to comply with the national standard 46319 before this was replaced by EN50262 on 01.03.2001.

LINE-UP

PG-tread	metrical thread	Width across flat for screwed cable	max. width across flat/mm	max. edge size/mm
PG7	M12x1,5/M10x1,5	M12x1	16	18
PG9	M16x1,5	M16x1,5	21	23
PG11	M16x1,5	M23x1,5	25	28
PG13,5	M20x1,5			



VOLTAGE GRADING OF CONNECTORS: DEGREE OF POLLUTION

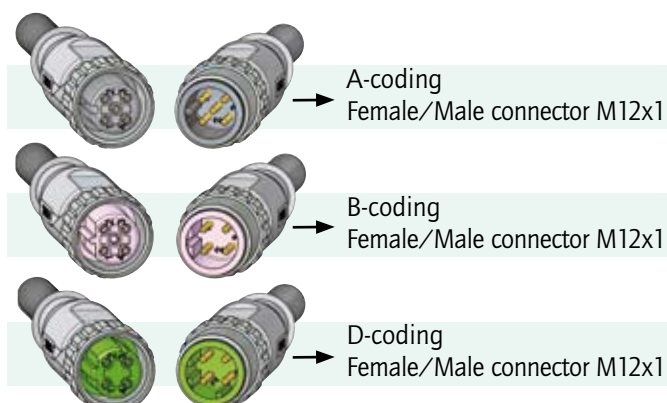
The degree of pollution applies to the interface of the connection, that is to say the area, where female and male connector are connected. There are four grades in which connectors are classified. This depends to the pollution which can be expected.

In the area of circular connectors its Grade 3 in the majority of cases.

POLLUTION DEGREE-DEFINITION

Pollution degree	Definition
1	No pollution or only dry, non-conductive pollution occurs. The pollution has no influence.
2	Only non-conductive pollution occurs. Except that occasionally a temporary conductivity caused by condensation is to be expected.
3	Conductive pollution occurs or dry non-conductive pollution occurs which becomes conductive due to condensation which is to be expected.
4	The pollution generates persistent conductivity caused by conductive dust or by rain or snow.

CODING OF M12X1-CONNECTORS



The coding of M12x1 circular connectors with a pin or a slot on the contact insert prevents identical connectors from being plugged into the wrong place.

A difference is drawn between the standard coding A, the B-coding (reverse key) for bus applications such as Profibus and the D-coding for Ethernet applications.

SECTION 12
PART NUMBERS



On the following pages you will find the CONEC catalogue program sorted by part numbers.

66589
66589

66589B 74



9B 75

66589B 76

PART NUMBERS

Part-no.	Page	Part-no.	Page	Part-no.	Page	Part-no.	Page
41-00001	8 22	41-01047	8 7	41-01101	8 10	41-01154	8 13
41-00002	8 22	41-01048	8 8	41-01102	8 10	41-01155	8 13
41-00003	8 22	41-01049	8 8	41-01103	8 10	41-01156	8 13
41-00004	8 23	41-01050	8 8	41-01104	8 10	41-01157	8 13
41-00005	8 23	41-01051	8 8	41-01105	8 11	41-01158	8 13
41-00006	8 23	41-01052	8 8	41-01106	8 11	41-01159	8 13
41-01000	8 6	41-01053	8 8	41-01107	8 11	41-01160	8 13
41-01001	8 6	41-01054	8 8	41-01108	8 11	41-01161	8 10
41-01002	8 6	41-01055	8 8	41-01109	8 11	41-01162	8 10
41-01003	8 6	41-01056	8 9	41-01110	8 11	41-01163	8 10
41-01004	8 6	41-01057	8 9	41-01111	8 11	41-01164	8 10
41-01005	8 6	41-01058	8 9	41-01112	8 11	41-01165	8 10
41-01006	8 6	41-01059	8 9	41-01113	8 12	41-01166	8 10
41-01007	8 6	41-01060	8 9	41-01114	8 12	41-01167	8 10
41-01008	8 7	41-01061	8 9	41-01115	8 12	41-01168	8 10
41-01009	8 7	41-01062	8 9	41-01116	8 12	41-01169	8 11
41-01010	8 7	41-01063	8 9	41-01117	8 12	41-01170	8 11
41-01011	8 7	41-01064	8 6	41-01118	8 12	41-01171	8 11
41-01012	8 7	41-01065	8 6	41-01119	8 12	41-01172	8 11
41-01013	8 7	41-01066	8 6	41-01120	8 12	41-01173	8 11
41-01014	8 7	41-01067	8 6	41-01121	8 13	41-01174	8 11
41-01015	8 7	41-01068	8 6	41-01122	8 13	41-01175	8 11
41-01016	8 8	41-01069	8 6	41-01123	8 13	41-01176	8 11
41-01017	8 8	41-01070	8 6	41-01124	8 13	41-01177	8 12
41-01018	8 8	41-01071	8 6	41-01125	8 13	41-01178	8 12
41-01019	8 8	41-01072	8 7	41-01126	8 13	41-01179	8 12
41-01020	8 8	41-01073	8 7	41-01127	8 13	41-01180	8 12
41-01021	8 8	41-01074	8 7	41-01128	8 13	41-01181	8 12
41-01022	8 8	41-01075	8 7	41-01129	8 10	41-01182	8 12
41-01023	8 8	41-01076	8 7	41-01130	8 10	41-01183	8 12
41-01024	8 9	41-01077	8 7	41-01131	8 10	41-01184	8 12
41-01025	8 9	41-01078	8 7	41-01132	8 10	41-01185	8 13
41-01026	8 9	41-01079	8 7	41-01133	8 10	41-01186	8 13
41-01027	8 9	41-01080	8 8	41-01134	8 10	41-01187	8 13
41-01028	8 9	41-01081	8 8	41-01135	8 10	41-01188	8 13
41-01029	8 9	41-01082	8 8	41-01136	8 10	41-01189	8 13
41-01030	8 9	41-01083	8 8	41-01137	8 11	41-01190	8 13
41-01031	8 9	41-01084	8 8	41-01138	8 11	41-01191	8 13
41-01032	8 6	41-01085	8 8	41-01139	8 11	41-01192	8 13
41-01033	8 6	41-01086	8 8	41-01140	8 11	41-01193	8 14
41-01034	8 6	41-01087	8 8	41-01141	8 11	41-01194	8 14
41-01035	8 6	41-01088	8 9	41-01142	8 11	41-01195	8 14
41-01036	8 6	41-01089	8 9	41-01143	8 11	41-01196	8 14
41-01037	8 6	41-01090	8 9	41-01144	8 11	41-01197	8 14
41-01038	8 6	41-01091	8 9	41-01145	8 12	41-01198	8 14
41-01039	8 6	41-01092	8 9	41-01146	8 12	41-01199	8 14
41-01040	8 7	41-01093	8 9	41-01147	8 12	41-01200	8 14
41-01041	8 7	41-01094	8 9	41-01148	8 12	41-01201	8 16
41-01042	8 7	41-01095	8 9	41-01149	8 12	41-01202	8 16
41-01043	8 7	41-01097	8 10	41-01150	8 12	41-01203	8 16
41-01044	8 7	41-01098	8 10	41-01151	8 12	41-01204	8 16
41-01045	8 7	41-01099	8 10	41-01152	8 12	41-01205	8 16
41-01046	8 7	41-01100	8 10	41-01153	8 13	41-01206	8 16

Part-no.	Page	Part-no.	Page	Part-no.	Page	Part-no.	Page
41-01207	8 16	41-01260	8 18	42-05008	4 15	42-10049	7 6
41-01208	8 16	41-01261	8 18	42-05009	4 15	42-10050	7 6
41-01209	8 14	41-01262	8 18	42-05010	4 18	42-10051	7 6
41-01210	8 14	41-01263	8 18	42-05011	4 19	42-10052	7 6
41-01211	8 14	41-01264	8 18	42-10000	7 4	42-10053	7 6
41-01212	8 14	41-01265	8 20	42-10001	7 4	42-10054	7 6
41-01213	8 14	41-01266	8 20	42-10002	7 4	42-10055	7 6
41-01214	8 14	41-01267	8 20	42-10003	7 4	42-10056	7 7
41-01215	8 14	41-01268	8 20	42-10004	7 4	42-10057	7 7
41-01216	8 14	41-01269	8 20	42-10005	7 4	42-10058	7 7
41-01217	8 16	41-01270	8 20	42-10006	7 4	42-10059	7 7
41-01218	8 16	41-01271	8 20	42-10007	7 4	42-10060	7 7
41-01219	8 16	41-01272	8 20	42-10008	7 5	42-10061	7 7
41-01220	8 16	41-01273	8 19	42-10009	7 5	42-10062	7 7
41-01221	8 16	41-01274	8 19	42-10010	7 5	42-10063	7 7
41-01222	8 16	41-01275	8 19	42-10011	7 5	42-10064	7 8
41-01223	8 16	41-01276	8 19	42-10012	7 5	42-10065	7 8
41-01224	8 16	41-01277	8 19	42-10013	7 5	42-10066	7 8
41-01225	8 15	41-01278	8 19	42-10014	7 5	42-10067	7 8
41-01226	8 15	41-01279	8 19	42-10015	7 5	42-10068	7 8
41-01227	8 15	41-01280	8 19	42-10016	7 6	42-10069	7 8
41-01228	8 15	41-01281	8 21	42-10017	7 6	42-10070	7 8
41-01229	8 15	41-01282	8 21	42-10018	7 6	42-10071	7 8
41-01230	8 15	41-01283	8 21	42-10019	7 6	42-10072	7 9
41-01231	8 15	41-01284	8 21	42-10020	7 6	42-10073	7 9
41-01232	8 15	41-01285	8 21	42-10021	7 6	42-10074	7 9
41-01233	8 17	41-01286	8 21	42-10022	7 6	42-10075	7 9
41-01234	8 17	41-01287	8 21	42-10023	7 6	42-10076	7 9
41-01235	8 17	41-01288	8 21	42-10024	7 7	42-10077	7 9
41-01236	8 17	41-50000	9 10	42-10025	7 7	42-10078	7 9
41-01237	8 17	41-50002	9 11	42-10026	7 7	42-10079	7 9
41-01238	8 17	41-51000	9 6	42-10027	7 7	42-10080	7 10
41-01239	8 17	41-51001	9 6	42-10028	7 7	42-10081	7 10
41-01240	8 17	41-51002	9 6	42-10029	7 7	42-10082	7 10
41-01241	8 18	41-51003	9 6	42-10030	7 7	42-10083	7 10
41-01242	8 18	41-51004	9 7	42-10031	7 7	42-10084	7 10
41-01243	8 18	41-51005	9 7	42-10032	7 4	42-10085	7 10
41-01244	8 18	41-51006	9 7	42-10033	7 4	42-10086	7 10
41-01245	8 18	41-51007	9 7	42-10034	7 4	42-10087	7 10
41-01246	8 18	41-51008	9 8	42-10035	7 4	42-10088	7 11
41-01247	8 18	41-51009	9 8	42-10036	7 4	42-10089	7 11
41-01248	8 18	41-51010	9 8	42-10037	7 4	42-10090	7 11
41-01249	8 20	41-51011	9 8	42-10038	7 4	42-10091	7 11
41-01250	8 20	41-51012	9 9	42-10039	7 4	42-10092	7 11
41-01251	8 20	41-51013	9 9	42-10040	7 5	42-10093	7 11
41-01252	8 20	41-51014	9 9	42-10041	7 5	42-10094	7 11
41-01253	8 20	41-51015	9 9	42-10042	7 5	42-10095	7 11
41-01254	8 20	42-05000	4 16	42-10043	7 5	42-10096	7 8
41-01255	8 20	42-05001	4 16	42-10044	7 5	42-10097	7 8
41-01256	8 20	42-05002	4 17	42-10045	7 5	42-10098	7 8
41-01257	8 18	42-05003	4 17	42-10046	7 5	42-10099	7 8
41-01258	8 18	42-05006	4 14	42-10047	7 5	42-10100	7 8
41-01259	8 18	42-05007	4 14	42-10048	7 6	42-10101	7 8

PART NUMBERS

Part-no.	Page	Part-no.	Page	Part-no.	Page	Part-no.	Page
42-10102	7 8	42-10169	7 13	43-00018	2 6	43-01018	5 32
42-10103	7 8	42-10170	7 13	43-00019	2 6	43-01019	5 32
42-10104	7 9	42-10171	7 13	43-00020	2 6	43-01020	5 34
42-10105	7 9	42-10172	7 13	43-00021	2 7	43-01021	5 34
42-10106	7 9	42-10173	7 14	43-00022	2 7	43-01022	5 14
42-10107	7 9	42-10174	7 14	43-00023	2 7	43-01023	5 14
42-10108	7 9	42-10175	7 14	43-00024	2 7	43-01024	5 16
42-10109	7 9	42-10176	7 14	43-00025	2 10	43-01025	5 16
42-10110	7 9	42-10177	7 14	43-00026	2 10	43-01026	3 16
42-10111	7 9	42-10178	7 14	43-00027	2 10	43-01027	3 16
42-10112	7 10	42-10179	7 14	43-00028	2 10	43-01028	3 16
42-10113	7 10	42-10180	7 14	43-00029	2 11	43-01029	3 16
42-10114	7 10	42-10181	7 15	43-00030	2 11	43-01030	3 16
42-10115	7 10	42-10182	7 15	43-00031	2 11	43-01031	3 16
42-10116	7 10	42-10183	7 15	43-00032	2 11	43-01032	3 18
42-10117	7 10	42-10184	7 15	43-00040	2 12	43-01033	3 18
42-10118	7 10	42-10185	7 15	43-00041	2 12	43-01034	3 18
42-10119	7 10	42-10186	7 15	43-00042	2 12	43-01035	3 18
42-10120	7 11	42-10187	7 15	43-00043	2 12	43-01036	3 18
42-10121	7 11	42-10188	7 15	43-00044	2 13	43-01037	3 18
42-10122	7 11	42-10189	7 14	43-00045	2 13	43-01038	5 18
42-10123	7 11	42-10190	7 14	43-00046	2 13	43-01039	5 18
42-10124	7 11	42-10191	7 14	43-00047	2 13	43-01040	5 20
42-10125	7 11	42-10192	7 14	43-00048	2 14	43-01041	5 20
42-10126	7 11	42-10193	7 14	43-00049	2 14	43-01042	6 20
42-10127	7 11	42-10194	7 14	43-00050	2 14	43-01043	6 22
42-10129	11 1	42-10195	7 14	43-00051	2 14	43-01044	6 48
42-10141	7 12	42-10196	7 14	43-00052	2 15	43-01045	3 4
42-10142	7 12	42-10197	7 15	43-00053	2 15	43-01046	5 14
42-10143	7 12	42-10198	7 15	43-00054	2 15	43-01047	5 32
42-10144	7 12	42-10199	7 15	43-00055	2 15	43-01048	3 12
42-10145	7 12	42-10200	7 15	43-00073	6 16	43-01049	3 6
42-10146	7 12	42-10201	7 15	43-00075	6 17	43-01050	5 16
42-10147	7 12	42-10202	7 15	43-00077	6 18	43-01051	5 34
42-10148	7 12	42-10203	7 15	43-00079	6 19	43-01052	3 14
42-10151	7 13	42-10204	7 15	43-01000	3 4	43-01053	3 8
42-10152	7 13	43-00001	2 4	43-01001	3 4	43-01054	3 10
42-10153	7 13	43-00002	2 4	43-01002	3 4	43-01059	3 17
42-10154	7 13	43-00003	2 4	43-01003	3 12	43-01060	3 17
42-10155	7 13	43-00004	2 4	43-01004	3 12	43-01061	3 17
42-10156	7 13	43-00005	2 5	43-01005	3 12	43-01062	3 17
42-10157	7 12	43-00006	2 5	43-01006	3 8	43-01063	3 17
42-10158	7 12	43-00007	2 5	43-01007	3 8	43-01064	3 17
42-10159	7 12	43-00008	2 5	43-01008	3 8	43-01065	3 19
42-10160	7 12	43-00009	2 8	43-01009	3 6	43-01066	3 19
42-10161	7 12	43-00010	2 8	43-01010	3 6	43-01069	3 19
42-10162	7 12	43-00011	2 8	43-01011	3 6	43-01070	3 19
42-10163	7 12	43-00012	2 8	43-01012	3 14	43-01071	3 19
42-10164	7 12	43-00013	2 9	43-01013	3 14	43-01072	3 19
42-10165	7 13	43-00014	2 9	43-01014	3 14	43-01073	3 5
42-10166	7 13	43-00015	2 9	43-01015	3 10	43-01074	3 5
42-10167	7 13	43-00016	2 9	43-01016	3 10	43-01075	3 5
42-10168	7 13	43-00017	2 6	43-01017	3 10	43-01076	5 15

Part-no.	Page	Part-no.	Page	Part-no.	Page	Part-no.	Page
43-01077	5 15	43-01156	6 21, 23, 49	43-01215	6 35	43-10033	1 4
43-01078	5 15	43-01157	6 50	43-01216	6 28	43-10034	1 4
43-01079	3 13	43-01162	3 21	43-01217	6 32	43-10035	1 4
43-01080	3 13	43-01163	3 21	43-01218	6 30	43-10036	1 4
43-01081	3 13	43-01164	3 21	43-01219	6 34	43-10037	1 4
43-01082	3 7	43-01165	3 21	43-01220	6 53	43-10038	1 4
43-01083	3 7	43-01166	3 23	43-01221	6 56	43-10039	1 4
43-01084	3 7	43-01167	3 23	43-01222	6 52	43-10040	1 4
43-01085	5 17	43-01168	3 23	43-01223	6 55	43-10041	1 4
43-01086	5 17	43-01169	3 23	43-01224	6 36	43-10042	1 4
43-01087	5 17	43-01170	3 25	43-01225	6 38	43-10043	1 4
43-01088	3 15	43-01171	3 25	43-01226	6 37	43-10052	1 4
43-01089	3 15	43-01172	3 25	43-01227	6 39	43-10053	1 4
43-01090	3 15	43-01173	3 25	43-01228	6 54	43-10054	1 4
43-01091	3 9	43-01174	3 27	43-01229	6 57	43-10055	1 4
43-01092	3 9	43-01175	3 27	43-01236	6 51	43-10056	1 4
43-01093	3 9	43-01176	3 27	43-01248	6 51	43-10057	1 4
43-01094	3 11	43-01177	3 27	43-01249	6 25	43-10058	1 4
43-01095	3 11	43-01178	3 20	43-01250	6 25	43-10059	1 4
43-01096	3 11	43-01179	3 20	43-01251	6 27	43-10060	1 5
43-01097	3 5	43-01180	3 20	43-01252	6 27	43-10061	1 5
43-01098	3 13	43-01181	3 20	43-05000	5 39	43-10062	1 5
43-01099	3 7	43-01182	3 22	43-05001	5 39	43-10063	1 5
43-01100	3 15	43-01183	3 22	43-05002	5 37	43-10072	1 5
43-01101	3 9	43-01184	3 22	43-05003	5 37	43-10073	1 5
43-01102	3 11	43-01185	3 22	43-05004	5 38	43-10074	1 5
43-01103	5 33	43-01186	3 24	43-05005	5 36	43-10075	1 5
43-01104	5 33	43-01187	3 24	43-05010	4 10	43-10084	1 7
43-01105	5 33	43-01188	3 24	43-05011	4 10	43-10085	1 7
43-01106	5 35	43-01189	3 24	43-05012	4 11	43-10086	1 7
43-01107	5 35	43-01190	3 26	43-05013	4 11	43-10087	1 7
43-01108	5 35	43-01191	3 26	43-05014	4 12	43-10096	1 7
43-01109	6 21	43-01192	3 26	43-05015	4 13	43-10097	1 7
43-01110	6 23	43-01193	3 26	43-05100	4 7	43-10098	1 7
43-01111	6 49	43-01196	3 30	43-05101	4 6	43-10099	1 7
43-01112	5 19	43-01197	3 30	43-05103	4 8	43-10100	1 7
43-01113	5 19	43-01198	3 30	43-10000	1 4	43-10101	1 7
43-01114	5 21	43-01199	3 30	43-10001	1 4	43-10102	1 7
43-01115	5 21	43-01200	3 28	43-10002	1 4	43-10103	1 7
43-01118	6 50	43-01201	3 28	43-10003	1 4	43-10104	1 7
43-01123	6 24	43-01202	3 28	43-10012	1 4	43-10105	1 7
43-01124	6 24	43-01203	3 28	43-10013	1 4	43-10106	1 7
43-01125	6 26	43-01204	3 31	43-10014	1 4	43-10107	1 7
43-01126	6 26	43-01205	3 31	43-10015	1 4	43-10116	1 7
43-01127	5 18	43-01206	3 31	43-10016	1 4	43-10117	1 7
43-01128	5 20	43-01207	3 31	43-10017	1 4	43-10118	1 7
43-01135	5 19	43-01208	3 29	43-10018	1 4	43-10119	1 7
43-01136	5 21	43-01209	3 29	43-10019	1 4	43-10120	1 7
43-01155	3 4, 6, 8, 10	43-01210	3 29	43-10020	1 4	43-10121	1 7
43-01155	5 14, 16, 18, 20	43-01211	3 29	43-10021	1 4	43-10122	1 7
43-01155	6 20, 22, 48	43-01212	6 29	43-10022	1 4	43-10123	1 7
43-01156	3 5, 7, 9, 11	43-01213	6 33	43-10023	1 4	43-10124	1 7
43-01156	5 15, 17, 19, 21	43-01214	6 31	43-10032	1 4	43-10125	1 7

PART NUMBERS

Part-no.	Page	Part-no.	Page	Part-no.	Page	Part-no.	Page
43-10126	1 7	43-10227	1 10	43-10336	1 16	43-10425	1 15
43-10127	1 7	43-10228	1 11	43-10337	1 16	43-10426	1 15
43-10136	1 7	43-10229	1 11	43-10338	1 16	43-10427	1 15
43-10137	1 7	43-10230	1 11	43-10339	1 16	43-10436	1 15
43-10138	1 7	43-10231	1 11	43-10340	1 16	43-10437	1 15
43-10139	1 7	43-10240	1 11	43-10341	1 16	43-10438	1 15
43-10140	1 7	43-10241	1 11	43-10342	1 16	43-10439	1 15
43-10141	1 7	43-10242	1 11	43-10343	1 16	43-10440	1 15
43-10142	1 7	43-10243	1 11	43-10344	1 16	43-10441	1 15
43-10143	1 7	43-10252	1 12	43-10345	1 16	43-10442	1 15
43-10144	1 8	43-10253	1 12	43-10346	1 16	43-10443	1 15
43-10145	1 8	43-10254	1 12	43-10347	1 16	43-10444	1 15
43-10146	1 8	43-10255	1 12	43-10348	1 16	43-10445	1 15
43-10147	1 8	43-10264	1 12	43-10349	1 16	43-10446	1 15
43-10156	1 8	43-10265	1 12	43-10350	1 16	43-10447	1 15
43-10157	1 8	43-10266	1 12	43-10351	1 16	43-10456	1 15
43-10158	1 8	43-10267	1 12	43-10352	1 18	43-10457	1 15
43-10159	1 8	43-10268	1 12	43-10353	1 18	43-10458	1 15
43-10168	1 10	43-10269	1 12	43-10354	1 18	43-10459	1 15
43-10169	1 10	43-10270	1 12	43-10355	1 18	43-10460	1 15
43-10170	1 10	43-10271	1 12	43-10356	1 18	43-10461	1 15
43-10171	1 10	43-10272	1 12	43-10357	1 18	43-10462	1 15
43-10180	1 10	43-10273	1 12	43-10358	1 18	43-10463	1 15
43-10181	1 10	43-10274	1 12	43-10359	1 18	43-10480	5 8
43-10182	1 10	43-10275	1 12	43-10360	1 18	43-10481	5 8
43-10183	1 10	43-10284	1 12	43-10361	1 18	43-10482	5 8
43-10184	1 10	43-10285	1 12	43-10362	1 18	43-10483	5 8
43-10185	1 10	43-10286	1 12	43-10363	1 18	43-10484	5 8
43-10186	1 10	43-10287	1 12	43-10364	1 18	43-10485	5 8
43-10187	1 10	43-10288	1 12	43-10365	1 18	43-10486	5 8
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43-10210	1 10	43-10311	1 12	43-10404	1 32	43-10501	5 10
43-10211	1 10	43-10312	1 13	43-10405	1 32	43-10502	5 10
43-10220	1 10	43-10313	1 13	43-10406	1 32	43-10503	5 10
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43-10225	1 10	43-10326	1 13	43-10419	1 33	43-10508	5 11
43-10226	1 10	43-10327	1 13	43-10424	1 15	43-10509	5 11

Part-no.	Page	Part-no.	Page	Part-no.	Page	Part-no.	Page
43-10510	5 11	43-10579	1 20	43-10680	1 24	43-10773	1 29
43-10511	5 11	43-10580	1 20	43-10681	1 24	43-10774	1 29
43-10512	5 22	43-10581	1 20	43-10682	1 24	43-10775	1 29
43-10513	5 22	43-10582	1 20	43-10683	1 24	43-10776	1 29
43-10514	5 22	43-10583	1 20	43-10684	1 24	43-10777	1 29
43-10515	5 22	43-10584	1 21	43-10685	1 24	43-10778	1 29
43-10516	5 22	43-10585	1 21	43-10686	1 24	43-10779	1 29
43-10517	5 22	43-10586	1 21	43-10687	1 24	43-10780	1 30
43-10518	5 22	43-10587	1 21	43-10688	1 26	43-10781	1 30
43-10519	5 22	43-10596	1 22	43-10689	1 26	43-10782	1 30
43-10520	5 23	43-10597	1 22	43-10690	1 26	43-10783	1 30
43-10521	5 23	43-10598	1 22	43-10691	1 26	43-10792	1 30
43-10522	5 23	43-10599	1 22	43-10700	1 26	43-10793	1 30
43-10523	5 23	43-10608	1 23	43-10701	1 26	43-10794	1 30
43-10524	5 23	43-10609	1 23	43-10702	1 26	43-10795	1 30
43-10525	5 23	43-10610	1 23	43-10703	1 26	43-10796	1 30
43-10526	5 23	43-10611	1 23	43-10704	1 26	43-10797	1 30
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43-10535	5 24	43-10628	1 23	43-10721	1 26	43-10814	1 34
43-10536	5 25	43-10629	1 23	43-10722	1 26	43-10815	1 34
43-10537	5 25	43-10630	1 23	43-10723	1 26	43-10820	1 34
43-10538	5 25	43-10631	1 23	43-10724	1 26	43-10821	1 34
43-10539	5 25	43-10640	1 23	43-10725	1 26	43-10822	1 34
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43-10543	5 25	43-10644	1 23	43-10729	1 28	43-10826	1 34
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43-10545	1 20	43-10646	1 23	43-10731	1 28	43-10832	1 34
43-10546	1 20	43-10647	1 23	43-10740	1 29	43-10833	1 34
43-10547	1 20	43-10648	1 24	43-10741	1 29	43-10834	1 34
43-10556	1 20	43-10649	1 24	43-10742	1 29	43-10835	1 34
43-10557	1 20	43-10650	1 24	43-10743	1 29	43-10840	1 33
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43-10559	1 20	43-10660	1 25	43-10753	1 29	43-10842	1 33
43-10560	1 20	43-10661	1 25	43-10754	1 29	43-10843	1 33
43-10561	1 20	43-10662	1 25	43-10755	1 29	43-10844	1 33
43-10562	1 20	43-10663	1 25	43-10756	1 29	43-10845	1 33
43-10563	1 20	43-10672	1 21	43-10757	1 29	43-10846	1 33
43-10564	1 20	43-10673	1 21	43-10758	1 29	43-10847	1 33
43-10565	1 20	43-10674	1 21	43-10759	1 29	43-10848	1 33
43-10566	1 20	43-10675	1 21	43-10760	1 29	43-10849	1 33
43-10567	1 20	43-10676	1 21	43-10761	1 29	43-10850	1 33
43-10576	1 20	43-10677	1 21	43-10762	1 29	43-10851	1 33
43-10577	1 20	43-10678	1 21	43-10763	1 29	43-10860	1 33
43-10578	1 20	43-10679	1 21	43-10772	1 29	43-10861	1 33

PART NUMBERS

Part-no.	Page	Part-no.	Page	Part-no.	Page	Part-no.	Page
43-10862	1 33	43-10915	5 13	43-10976	1 17	43-11063	1 8
43-10863	1 33	43-10916	5 28	43-10977	1 17	43-11064	1 8
43-10864	1 33	43-10917	5 28	43-10978	1 17	43-11065	1 8
43-10865	1 33	43-10918	5 28	43-10979	1 17	43-11066	1 25
43-10866	1 33	43-10919	5 28	43-10980	1 19	43-11067	1 25
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43-10869	1 14	43-10922	5 28	43-10983	1 19	43-11070	1 21
43-10870	1 14	43-10923	5 28	43-10984	1 19	43-11071	1 21
43-10871	1 14	43-10924	5 29	43-10985	1 19	43-11072	1 21
43-10872	1 14	43-10925	5 29	43-10986	1 19	43-11073	1 21
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43-10875	1 14	43-10928	5 29	43-10989	1 35	43-11076	1 31
43-10876	1 14	43-10929	5 29	43-10990	1 35	43-11077	1 31
43-10877	1 14	43-10930	5 29	43-10991	1 35	43-11078	1 21
43-10878	1 14	43-10931	5 29	43-10992	1 35	43-11079	1 21
43-10879	1 14	43-10932	6 12	43-10993	1 35	43-11080	1 21
43-10880	1 14	43-10933	6 12	43-10994	1 35	43-11081	1 21
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43-10885	1 32	43-10938	6 13	43-11033	1 13	43-11086	1 27
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43-10903	5 12	43-10964	1 27	43-11051	1 11	43-11104	1 30
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43-10905	5 12	43-10966	1 27	43-11053	1 11	43-11106	1 28
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43-10913	5 13	43-10974	1 17	43-11061	1 8	43-11266	1 6
43-10914	5 13	43-10975	1 17	43-11062	1 8	43-11267	1 6

Part-no.	Page	Part-no.	Page	Part-no.	Page	Part-no.	Page
43-11268	1 6	43-11451	1 38	43-11654	5 31	55-00017	10 14
43-11269	1 6	43-11452	1 38	43-11655	5 31	55-00018	10 7
43-11270	1 6	43-11453	1 38	43-11656	5 31	55-00019	10 7
43-11271	1 6	43-11454	1 39	43-11657	5 31	55-00020	10 15
43-11272	1 9	43-11455	1 39	43-11658	5 31	55-00021	10 15
43-11273	1 9	43-11456	1 39	43-11659	5 31	55-00022	10 9
43-11274	1 9	43-11457	1 39	43-11735	6 42	55-00023	10 9
43-11275	1 9	43-11458	1 39	43-11736	6 42	55-00024	10 16
43-11276	1 9	43-11459	1 39	43-11737	6 42	55-00025	10 16
43-11277	1 9	43-11460	1 39	43-11738	6 42	55-00028	10 17
43-11278	1 9	43-11461	1 39	43-11739	6 42	55-00029	10 17
43-11279	1 9	43-11520	6 44	43-11740	6 42	55-00039	10 5
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43-11357	11 1	43-11618	6 14	43-11758	6 40	55-00082	10 5
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43-11432	1 36	43-11623	6 14	43-12100	5 32, 34	55-00087	10 4
43-11433	1 36	43-11632	5 26	43-12101	5 33, 35	55-00088	10 4
43-11434	1 36	43-11633	5 26	55-00000	10 4	55-00089	10 4
43-11435	1 36	43-11634	5 26	55-00001	10 4	55-00090	10 4
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43-11437	1 36	43-11636	5 27	55-00003	10 6	55-00092	10 4
43-11438	1 37	43-11637	5 27	55-00004	10 5	55-00093	10 5
43-11439	1 37	43-11638	5 27	55-00005	10 5	55-00094	10 5
43-11440	1 37	43-11639	5 27	55-00006	10 8	55-00095	10 5
43-11441	1 37	43-11640	5 27	55-00007	10 8	55-00096	10 5
43-11442	1 37	43-11641	5 27	55-00008	10 10	55-00097	10 5
43-11443	1 37	43-11642	5 27	55-00009	10 10	55-00098	10 5
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43-11445	1 37	43-11648	5 30	55-00011	10 12	55-00100	10 6
43-11446	1 38	43-11649	5 30	55-00012	10 11	55-00101	10 6
43-11447	1 38	43-11650	5 30	55-00013	10 11	55-00102	10 6
43-11448	1 38	43-11651	5 30	55-00014	10 13	55-00103	10 6
43-11449	1 38	43-11652	5 31	55-00015	10 13	55-00104	10 6
43-11450	1 38	43-11653	5 31	55-00016	10 14	55-00105	10 7

PART NUMBERS

Part-no.	Page	Part-no.	Page	Part-no.	Page
55-00106	10 7	55-00159	10 10	55-00212	10 14
55-00107	10 7	55-00160	10 11	55-00213	10 15
55-00108	10 7	55-00161	10 11	55-00214	10 15
55-00109	10 7	55-00162	10 11	55-00215	10 15
55-00110	10 7	55-00163	10 11	55-00216	10 15
55-00111	10 6	55-00164	10 11	55-00217	10 15
55-00112	10 6	55-00165	10 10	55-00218	10 14
55-00113	10 6	55-00166	10 10	55-00219	10 14
55-00114	10 6	55-00167	10 10	55-00220	10 14
55-00115	10 6	55-00168	10 10	55-00221	10 14
55-00116	10 6	55-00169	10 10	55-00222	10 14
55-00117	10 6	55-00170	10 10	55-00223	10 14
55-00118	10 6	55-00171	10 10	55-00224	10 14
55-00119	10 7	55-00172	10 10	55-00225	10 14
55-00120	10 7	55-00173	10 11	55-00226	10 15
55-00121	10 7	55-00174	10 11	55-00227	10 15
55-00122	10 7	55-00175	10 11	55-00228	10 15
55-00123	10 7	55-00176	10 11	55-00229	10 15
55-00124	10 7	55-00177	10 11	55-00230	10 15
55-00125	10 7	55-00178	10 11	55-00231	10 15
55-00126	10 7	55-00179	10 11	55-00232	10 15
55-00127	10 8	55-00180	10 11	55-00233	10 15
55-00128	10 8	55-00181	10 12	55-00234	10 16
55-00129	10 8	55-00182	10 12	55-00235	10 16
55-00130	10 8	55-00183	10 12	55-00236	10 16
55-00131	10 8	55-00184	10 12	55-00237	10 16
55-00132	10 8	55-00185	10 12	55-00238	10 16
55-00133	10 9	55-00186	10 12	55-00239	10 17
55-00134	10 9	55-00187	10 13	55-00240	10 17
55-00135	10 9	55-00188	10 13	55-00241	10 17
55-00136	10 9	55-00189	10 13	55-00242	10 17
55-00137	10 9	55-00190	10 13	55-00243	10 17
55-00138	10 9	55-00191	10 12	55-00244	10 16
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55-00140	10 8	55-00193	10 12	55-00246	10 16
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55-00143	10 8	55-00196	10 12	55-00249	10 16
55-00144	10 8	55-00197	10 12	55-00250	10 16
55-00145	10 8	55-00198	10 12	55-00251	10 16
55-00146	10 9	55-00199	10 13	55-00252	10 17
55-00147	10 9	55-00200	10 13	55-00253	10 17
55-00148	10 9	55-00201	10 13	55-00254	10 17
55-00149	10 9	55-00202	10 13	55-00255	10 17
55-00150	10 9	55-00203	10 13	55-00256	10 17
55-00151	10 9	55-00204	10 13	55-00257	10 17
55-00152	10 9	55-00205	10 13	55-00258	10 17
55-00153	10 9	55-00206	10 13	55-00259	10 17
55-00154	10 10	55-00207	10 14		
55-00155	10 10	55-00208	10 14		
55-00156	10 10	55-00209	10 14		
55-00157	10 10	55-00210	10 14		
55-00158	10 10	55-00211	10 14		

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EMI Interface Solutions

Filter D-Subminiature Connectors, Filter Combination Connectors, Filter Water Resistant Connectors, Filter Plates, RJ 45 Magnetic Modular Jack



I/O Connectors

Standard D-Subminiature Connectors, Combination D-Subminiature Connectors, Water Resistant Connector System, D-Subminiature Hoods, D-Subminiature Accessories, SCSI Connectors



PCB Interconnect System

DIN EN 60603-2 Connectors, Combination DIN EN 60603-2 Connectors, DIN 41617 Connectors, Press Fit DIN and D-Subminiature Connectors, DIN 41651 Flat Cable System, Measuring Connector System



PCB Fiber Optic

Fiber Optic Connectors, Fiber Optic Adapters, Fiber Optic Hybrid Adapters, Fiber Optic Outdoor System, Fiber Optic Cable Assembly, Fiber Optic Tools



Coaxial Connectors and Contacts

SMA Coaxial Connectors, SSMA Coaxial Connectors, BNC Coaxial Connectors, D-Sub Coaxial Contacts, DIN Coaxial Contacts, D-Sub High Power and High Voltage Contacts, DIN High Power Contacts

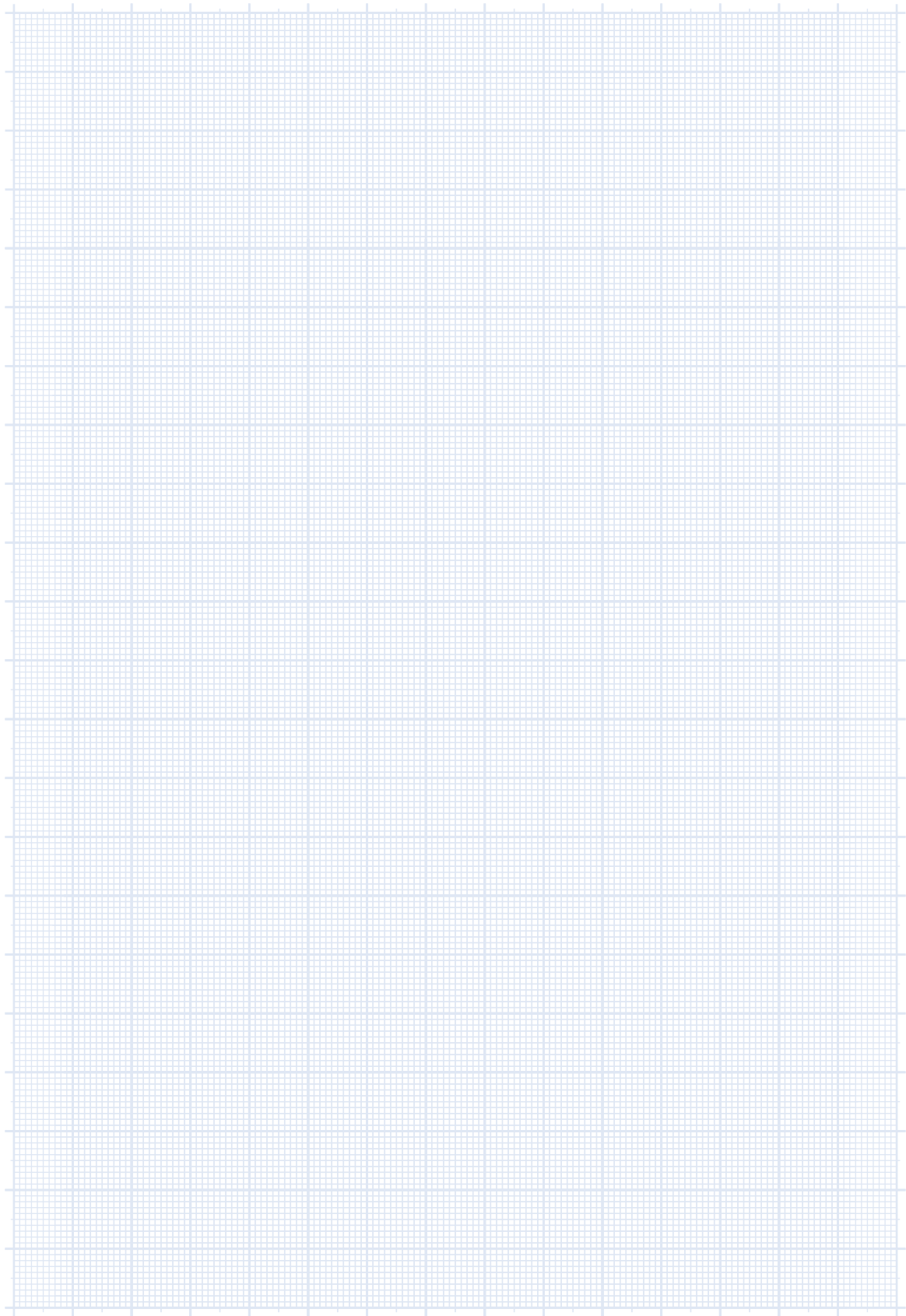


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ATCA Connectors, CPCI Connectors, Tools



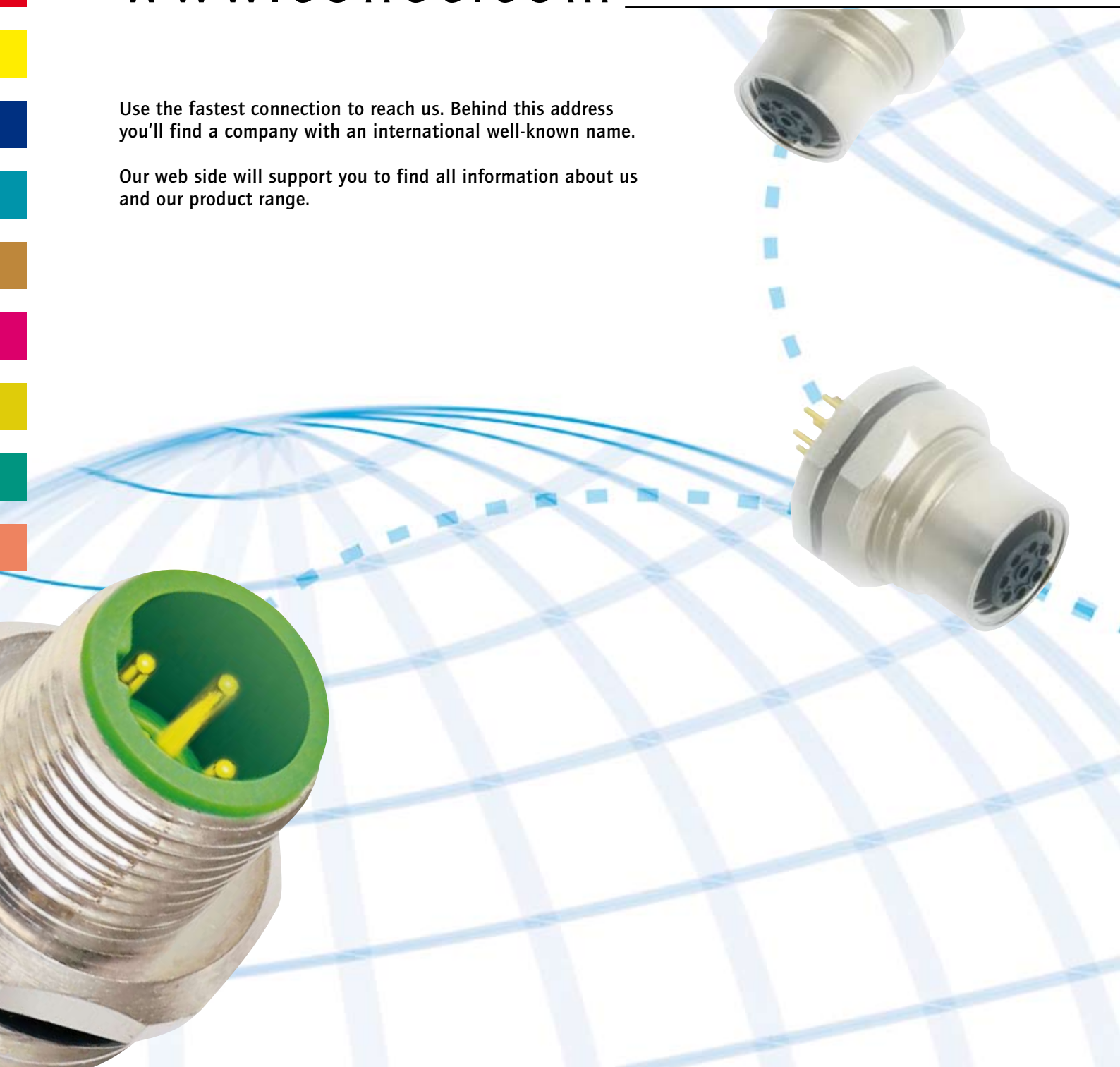
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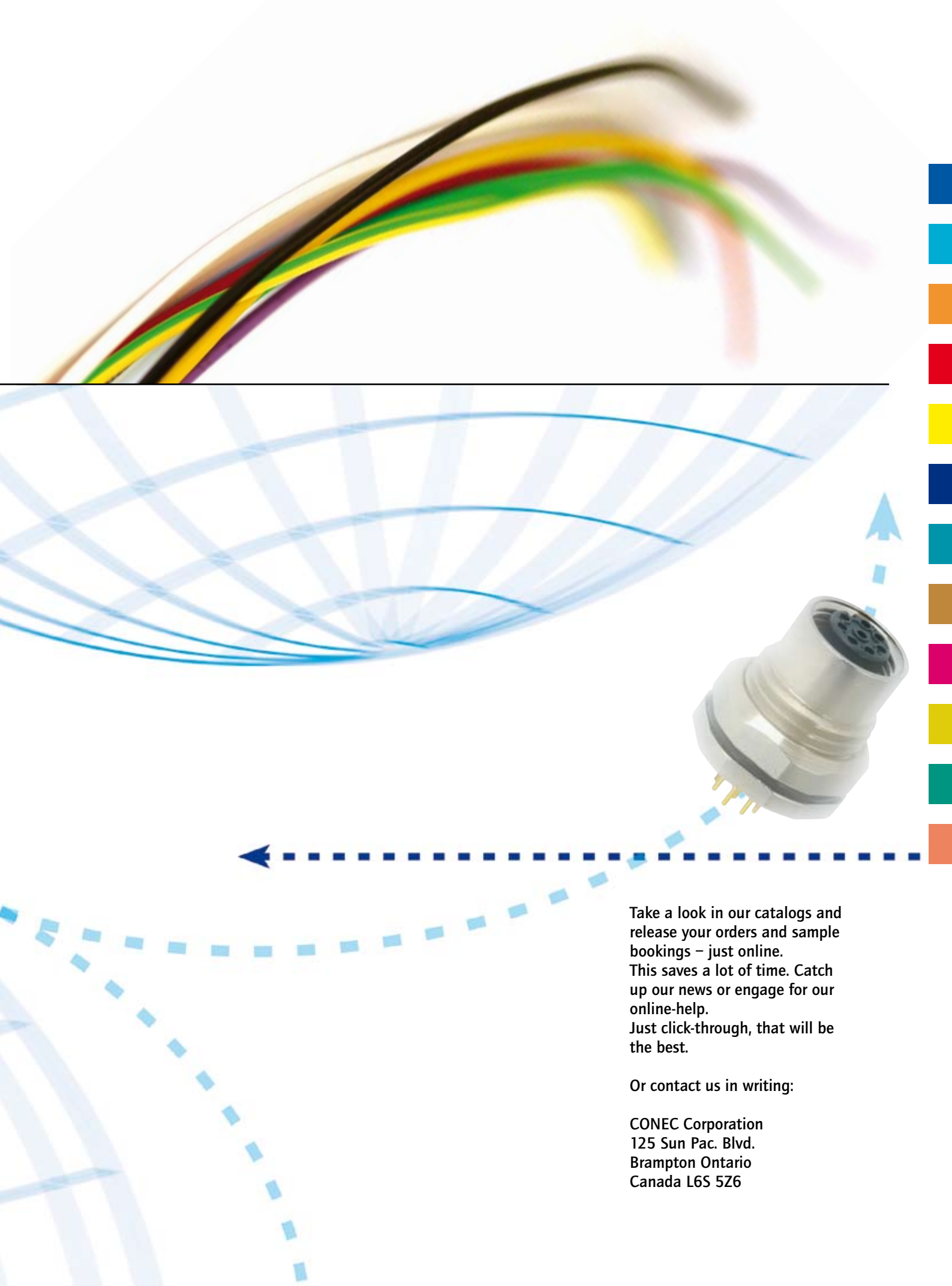


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