

## Connector in molded plastic on both sides - K-12-M23 M9/010-E00/M23 F8 - 1619294

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Connector in molded plastic on both sides, length: 10 m, color of outer sheath: orange RAL 2003

### Your advantages

- ✓ Our standard: robust halogen-free PUR cable
- ✓ Simple and safe: 100% electrically tested and assembled ready for use
- ✓ Designs with pre-assembled cables on one or both sides
- ✓ High flexibility: customer-specific assemblies and cable lengths can be supplied



### Key Commercial Data

Packing unit	1 pc
Minimum order quantity	2 pc
GTIN	 4 046356 835091
GTIN	4046356835091
Weight per Piece (excluding packing)	1,040.000 g
Custom tariff number	85444290
Country of origin	Germany

### Technical data

Conductor length	10 m
Nominal current	9 A

### Connector specifications

Type	straight plastic-sheathed
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## Technical data

### Connector specifications

Housing material	Zinc die-cast
Thread type	M23
Locking type	Screw locking
Degree of protection	IP67, when in locked state
Number of positions	12
Direction of rotation	Standard
Type of contact	Socket
Insertion/withdrawal cycles	50
Contact resistance	< 0.3 mΩ
Max. current	8 A
Voltage	48 V AC
	74 V DC
Overvoltage category	II
Degree of pollution	3
Rated surge voltage	1.5 kV
Ambient temperature (operation)	-40 °C ... 105 °C

### Cable specifications

Type of cable	RSL9YSLC11Y
Shielded	yes
Cable structure	4 x 2 x 0.25 mm <sup>2</sup> + 2 x 0.5 mm <sup>2</sup>
Cable structure (AWG)	24 AWG/4pr + 20 AWG/2c
External cable diameter	8 mm
Outer sheath, material	TPU
Material wire insulation	PP
External sheath, color	orange RAL 2003
Nominal voltage, cable	300 V
Test voltage	1 kV
Rated current	9 A
Smallest bending radius, fixed installation	40 mm
Smallest bending radius, movable installation	60 mm
Ambient temperature for fixed installation	-40 °C ... 80 °C
Ambient temperature for flexible installation	-20 °C ... 60 °C

### Connector specifications (second page)

Type	straight plastic-sheathed
Housing material	Zinc die-cast

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## Technical data

Connector specifications (second page)

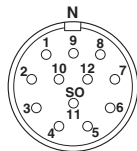
Thread type	M23
Degree of protection	IP67, when in locked state
Number of positions	12
Direction of rotation	Standard
Type of contact	Pin
Insertion/withdrawal cycles	50
Contact resistance	< 0.3 mΩ
Max. current	8 A
Voltage	48 V AC 74 V DC
Overvoltage category	II
Degree of pollution	3
Rated surge voltage	1.5 kV
Ambient temperature (operation)	-40 °C ... 105 °C

## Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

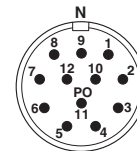
## Drawings

Schematic diagram



Socket pin assignment

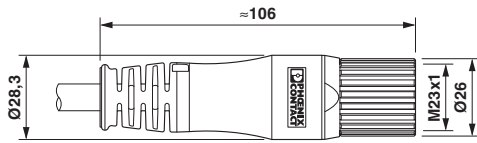
Schematic diagram



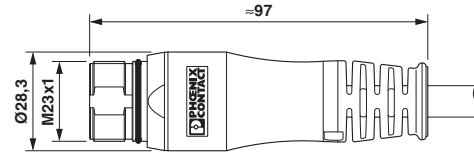
Pin assignment of pin

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Dimensional drawing



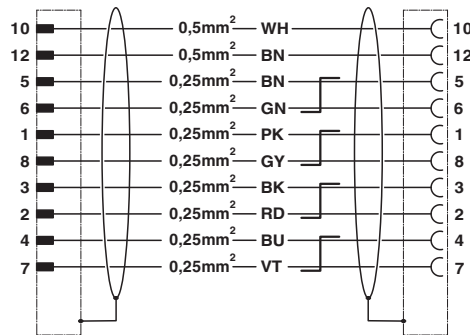
Dimensional drawing



On the female side

Pin side

Circuit diagram



Contact assignment of M23 plugs/sockets

## Classifications

eCl@ss

eCl@ss 10.0.1	27060106
eCl@ss 11.0	27060106
eCl@ss 4.0	27060300
eCl@ss 4.1	27060300
eCl@ss 5.0	27061800
eCl@ss 5.1	27061800
eCl@ss 6.0	27062000
eCl@ss 7.0	27062011
eCl@ss 9.0	27062011

ETIM

ETIM 3.0	EC001121
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## Classifications

### ETIM

ETIM 4.0	EC001855
ETIM 6.0	EC001578
ETIM 7.0	EC003250

### UNSPSC

UNSPSC 6.01	26121604
UNSPSC 7.0901	26121604
UNSPSC 11	26121604
UNSPSC 12.01	26121604
UNSPSC 13.2	26121604
UNSPSC 18.0	39121465
UNSPSC 19.0	39121465
UNSPSC 20.0	39121465
UNSPSC 21.0	39121465

## Approvals


### Approvals

Approvals

UL Listed / cUL Listed / EAC / cULus Listed

Ex Approvals

### Approval details

UL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	E335019-20140707
Nominal voltage UN	48 V		
Nominal current IN	5 A		

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Nominal voltage UN		48 V	
Nominal current IN		5 A	

EAC		19060508
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cULus Listed	
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## Accessories

### Accessories

#### Conductor marking

Insert label - PABA WH/15 - 1013151



Insert label, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, mounting type: thread on, cable diameter range: 0.6 ... 50 mm, lettering field size: 15 x 4 mm, Number of individual labels: 20

Insert label - PABA YE/15 - 1013698



Insert label, Strip, yellow, unlabeled, can be labeled with: CMS-P1-PLOTTER, mounting type: thread on, cable diameter range: 0.6 ... 50 mm, lettering field size: 15 x 4 mm, Number of individual labels: 20

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### Accessories

Insert label - PABA RD/15 - 1013944



Insert label, Strip, red, unlabeled, can be labeled with: CMS-P1-PLOTTER, mounting type: thread on, cable diameter range: 0.6 ... 50 mm, lettering field size: 15 x 4 mm, Number of individual labels: 20

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### Cutting tools

Diagonal cutter - CUTFOX-S VDE - 1212207



Diagonal cutter for hard (piano wire) and soft wires, VDE 1000 V AC/1500 V DC tested

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### Marker pen

Marker pen - B-STIFT - 1051993



Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm