

SACC-PO12MS-5CT-CL SH - Connector



1177624

<https://www.phoenixcontact.com/nl/products/1177624>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Connector, Universal, 5-position, shielded, Plug straight M12 Push-pull external locking, coding: A, Crimp connection, knurl material: PA 6.6, external cable diameter 6.5 mm ... 10 mm, without crimp contacts

Your advantages

- Plug and Produce: convenient and secure connection, thanks to the manufacturer-independent locking system
- Extremely compact, thanks to the small wiring space and high contact density
- Clear feedback: the connector springs back when not snapped into place correctly
- Safely shielded: reliable shield connection even under extreme mechanical strain
- Robust connection: suitable for railway applications with high shock and vibration loads

Commercial data

Item number	1177624
Packing unit	1 pc
Minimum order quantity	100 pc
Note	Made to order (non-returnable)
Sales key	AF2CJA
Product key	AF2CJA
GTIN	4063151211851
Weight per piece (including packing)	29,32 g
Weight per piece (excluding packing)	22,22 g
Customs tariff number	85366990
Country of origin	DE

SACC-PO12MS-5CT-CL SH - Connector



1177624

<https://www.phoenixcontact.com/nl/products/1177624>

Technical data

Notes

Assembly note

NOTE: Observe the permissible bending radii when routing cables, since the degree of protection may be at risk if the bending forces are too high. Reduce mechanical loads upstream of the connector, e.g., by using cable ties.

Mounting

Assembly note

Contacts can be clipped in place and unclipped without tools

Product properties

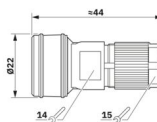
Sensor type	Universal
Number of positions	5
No. of cable outlets	1
Shielded	yes
Coding	A
Cable outlet	straight

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Dimensions

Dimensional drawing



Length	44 mm
Wrench size, union nut	15 mm
Wrench size, counter nut	14 mm

External dimensions

Outside diameter	6.5 mm ... 10 mm
------------------	------------------

Housing

Diameter housing	22 mm
------------------	-------

Material specifications

Flammability rating according to UL 94	V0
Seal material	NBR
Material of grip body	Zinc die-cast, nickel-plated
Contact carrier material	PA 6.6
Material for screw connection	PA 6.6
Standards/regulations	PA 6.6

SACC-PO12MS-5CT-CL SH - Connector



1177624

<https://www.phoenixcontact.com/nl/products/1177624>

Connection data

Conductor connection

Connection method	Crimp connection
Connection cross section	0.14 mm ² ... 1 mm ² (flexible)
Connection cross section AWG	26 ... 18 (flexible)
Stripping length of the individual wire	4 mm +0,5 mm
Tightening torque	4 Nm (Pressure nut with coupling sleeve)

Electrical properties

Rated surge voltage	1.5 kV
Insulation resistance	≥ 100 MΩ
Nominal voltage U _N	48 V AC
	60 V DC
Nominal current I _N	4 A

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 100
-----------------------------	-------

Connector

Connection 1

Head design	Plug
Head cable outlet	straight
Head thread type	M12
Head locking type	Push-pull external locking
Coding	A

Cable/line

Signal type/category	Universal
Stripping length of the individual wire	4 mm +0,5 mm

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65
	IP67
	IP68
	IP69K
Ambient temperature (operation) (male connector/female connector)	-40 °C ... 85 °C (Plug / socket)

Standards and regulations

Testing

SACC-PO12MS-5CT-CL SH - Connector



1177624

<https://www.phoenixcontact.com/nl/products/1177624>

Standards/regulations	PA 6.6: Fire protection in rail vehicles - requirement sets R22, R23, R24, and R26 acc. to DIN EN 45545-2 (Risk level HL1 - HL3)
Standard designation	M12 connector
Standards/specifications	IEC 61076-2-101
Note	according to
Standard designation	Shock, vibration
Standards/specifications	EN 50155:2001

SACC-PO12MS-5CT-CL SH - Connector

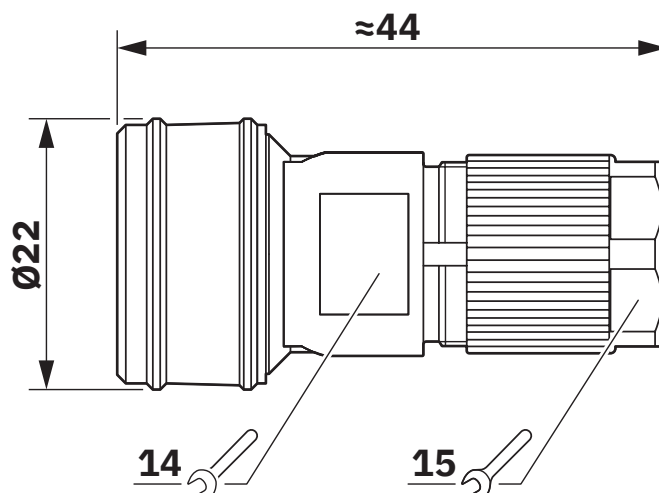
1177624

<https://www.phoenixcontact.com/nl/products/1177624>



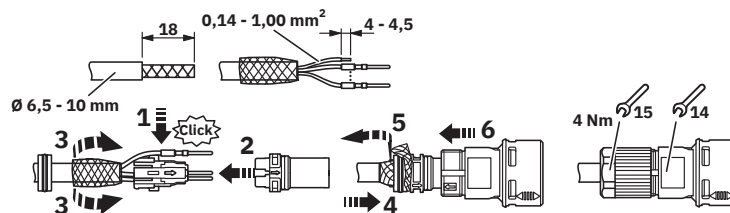
Drawings

Dimensional drawing



Dimensional drawing

Functional drawing



Functional drawing

1177624

<https://www.phoenixcontact.com/nl/products/1177624>

Schematic diagram



M12 PUSH-PULL male pin assignment, 5-pos., pin-side view

SACC-PO12MS-5CT-CL SH - Connector



1177624

<https://www.phoenixcontact.com/nl/products/1177624>

Classifications

ECLASS

ECLASS-13.0	27440116
ECLASS-15.0	27440116

ETIM

ETIM 10.0	EC002635
-----------	----------

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

SACC-PO12MS-5CT-CL SH - Connector



1177624

<https://www.phoenixcontact.com/nl/products/1177624>

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
---	--------------------

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
-------------------------------------	----------------------------

Phoenix Contact 2026 © - all rights reserved
<https://www.phoenixcontact.com>

PHOENIX CONTACT B.V.
Hengelder 56 6902 PA Zevenaar
Postbus 246 6900 AE Zevenaar
(0316) 59 17 20
sales@phoenixcontact.nl