

Connector - SACC-MSD-4PCT-SH PN SCO - 1414089

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Connector, PROFINET CAT5 (100 Mbps), 4-position, halogen-free, shielded, Plug straight M12 SPEEDCON, D-coded, Crimp connection, knurl material: Zinc die-cast, nickel-plated, external cable diameter 5.5 mm ... 10 mm, with crimp contacts

Why buy this product

- Safe use in the field, thanks to a high degree of protection
- Flexible: connectors for on-site assembly
- Save time, thanks to installation with SPEEDCON fast locking system
- Reliable signal transmission - 360° shielding in environments with electromagnetic interference



Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 018881
GTIN	4055626018881

Technical data

Dimensions

Wrench size, union nut	15 mm
Diameter housing	16 mm
Length	51 mm
External cable diameter	5.5 mm ... 10 mm
Stripping length of the sheath	26 mm
Stripping length of the individual wire	4 mm +0,5 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 85 °C (Plug / socket)
Degree of protection	IP65
	IP67

General

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Technical data

General

Note	This product corresponds to the PROFINET Cabling and Interconnection Technology Guideline for PROFINET regulations, version 2.00, order no: 2.252, Chapter 8.2 Connectors for Outside Environment (Balanced cabling)
Rated current at 40°C	4 A
Rated voltage	60 V DC
	48 V AC
Number of positions	4
Insulation resistance	≥ 100 Ω
Coding	D - data
Standards/regulations	M12 connector IEC 61076-2-101
	Shock, vibration EN 50155:2001
Signal type/category	PROFINET CAT5 (on the basis of IEC 11801), 100 Mbps
Status display	No
Overvoltage category	II
Degree of pollution	3
Connection method	Crimp connection
Conductor cross section	0.34 mm ² ... 1 mm ² (flexible)
Conductor cross section AWG	22 ... 18 (flexible)
Wire diameter incl. insulation	≤ 2.3 mm
Insertion/withdrawal cycles	≥ 100
Torque	0.4 Nm (M12 knurl)
	≤ 5 Nm (Screw plug insert with sleeve housing as far it will go)
	5 Nm (Pressure nut with coupling sleeve)
Assembly instructions	This connector includes one seal for small and one seal for large outer cable diameters.

Material

Flammability rating according to UL 94	V0
Contact material	CuZn
Contact surface material	Ni/Au
Contact carrier material	PA 6.6
Material of grip body	Zinc die-cast, nickel-plated
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	FKM
Additional material specifications	Zinc die-cast (Housing)
	nickel-plated (Housing surface)
Standards/regulations	PA 6.6: Fire protection in rail vehicles - requirement sets R22, R23, and R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3)

Standards and Regulations

Standard designation	M12 connector
Standards/regulations	IEC 61076-2-101

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Standards and Regulations

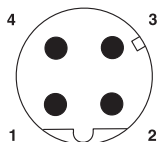
Standard designation	Shock, vibration
Standards/regulations	EN 50155:2001
Flammability rating according to UL 94	V0

Environmental Product Compliance

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

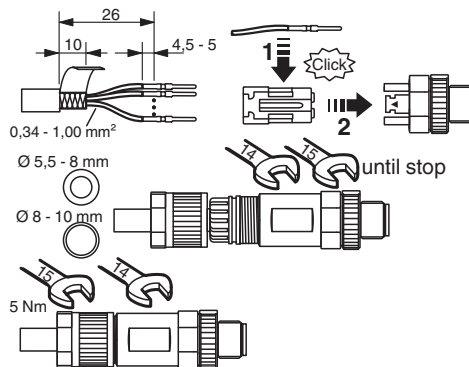
Drawings

Schematic diagram

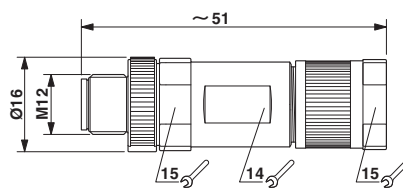


Pin assignment M12 male connector, 4-pos., D-coded, male side

Functional drawing



Dimensional drawing



Plug, M12 x 1, straight, shielded

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