

SACC-M12MSD-4CON-PG 7-SH

Order No.: 1521258




Bus system plug connector, male, straight, 4-pos., M12, shielded, D-coded, screw connection, metal knurl, cable screw connection Pg7

Ethernet



Commercial data

EAN	 4 017918 968601
Pack	1
Customs tariff	85366990
Catalog page information	Page 51 (PC-2009)

Product notes

WEEE/RoHS-compliant since:
2006-04-13



Technical data

General data

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
Number of positions	4

Volume resistance	$\leq 3 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$
Ambient temperature (operation)	-40 °C ... 85 °C (Male connector / female connector)

General characteristics

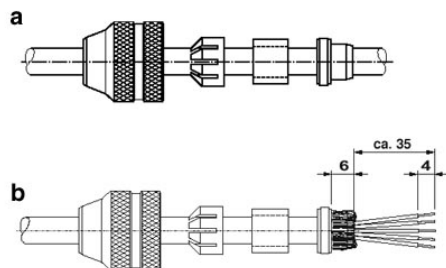
Standards/regulations	M12 connector IEC 61076-2-101
Coding	D - data
Surge voltage category	II
Pollution degree	3
Degree of protection	IP67
Insertion/withdrawal cycles	≥ 100
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 66
Material of grip body	Zinc die-cast, nickel-plated
Material, knurls	Nickel-plated brass
Sealing material	NBR
Type of connection	Screw connection
Conductor cross section stranded min.	0.25 mm ²
Conductor cross section stranded max.	0.75 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	18
Frequency of connections between conductors of the same cross section	≥ 100
External cable diameter	4 mm ... 6 mm
Status display	No

Conductor data

Transmission characteristics (category)	CAT5 (IEC 11801:2002), CAT5e (TIA 568B:2001)
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Drawings

Functional drawing

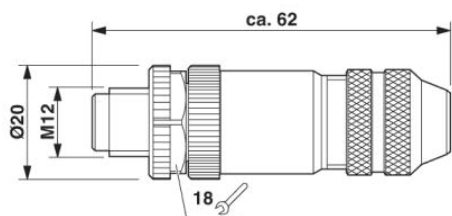


Assembly steps for M12 male/female connector and conductor

a = Slide on parts

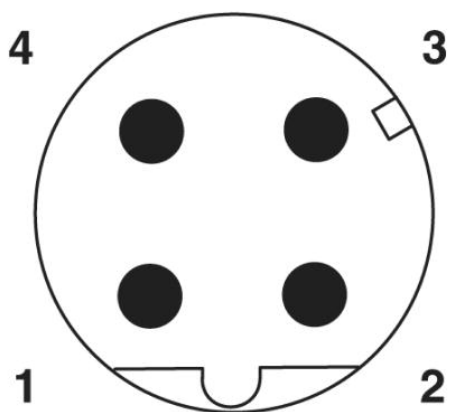
b= Strip conductor, widen shield and lay around the shielding ring, cut off projecting mesh. Slide cores through the housing. Mount shielding ring, gasket and clamping cage. Tighten pressure screw to fix the cable. Screw down cores. Mount male/female part. Tighten pressure screw.

Dimensioned drawing

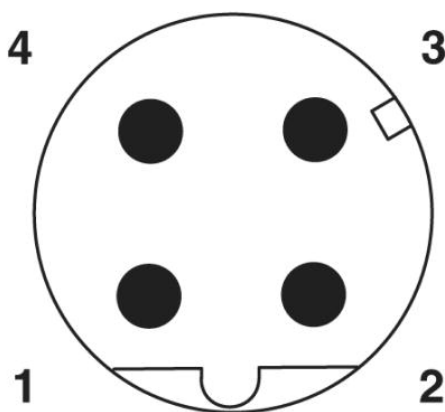


M12 x 1 male connector, straight, shielded

Schematic diagram



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



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