

SACC-M12MSD-4CT SH PN - Data connector



1411046

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Data connector, PROFINET CAT5, 4-position, shielded, Plug straight M12, coding: D, Crimp connection, knurl material: Zinc die-cast, nickel-plated, external cable diameter 5 mm ... 8 mm

Commercial data

Item number	1411046
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BF34
Product key	AF2CJN
GTIN	4046356920216
Weight per piece (including packing)	43.56 g
Weight per piece (excluding packing)	22.22 g
Customs tariff number	85366990
Country of origin	DE

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Technical data

Product properties

Product type	Circular connector (cable-side)
Number of positions	4
No. of cable outlets	1
Shielded	yes
Coding	D
Cable outlet	straight

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Dimensions

Dimensional drawing	
Length	73 mm

External dimensions

Outside diameter	5 mm ... 8 mm
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Housing

Diameter housing	20.2 mm
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Material specifications

Flammability rating according to UL 94	HB
Seal material	FPM NBR
Material of grip body	Zinc die-cast, nickel-plated
Contact carrier material	PA
Material for screw connection	Zinc die-cast, nickel-plated

Connection data

Conductor connection

Connection method	Crimp connection
Connection cross section	0.34 mm ² ... 0.5 mm ²
Connection cross section AWG	22 ... 20
Tightening torque	0.6 Nm (M12 knurl) 1 Nm (Connector with coupling sleeve)

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	1 Nm (Pressure nut with coupling sleeve)
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Electrical properties

Rated surge voltage	2.5 kV
Insulation resistance	≥ 10 GΩ
Nominal voltage U_N	60 V DC
	48 V AC
Nominal current I_N	4 A

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 100
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Connector

Connection 1

Head design	Plug
Head cable outlet	straight
Head thread type	M12
Coding	D

Cable/line

Signal type/category	PROFINET CAT5 (based on IEC 11801)
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Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67
Ambient temperature (operation) (male connector/female connector)	-25 °C ... 85 °C (Plug / socket)

Standards and regulations

M12

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

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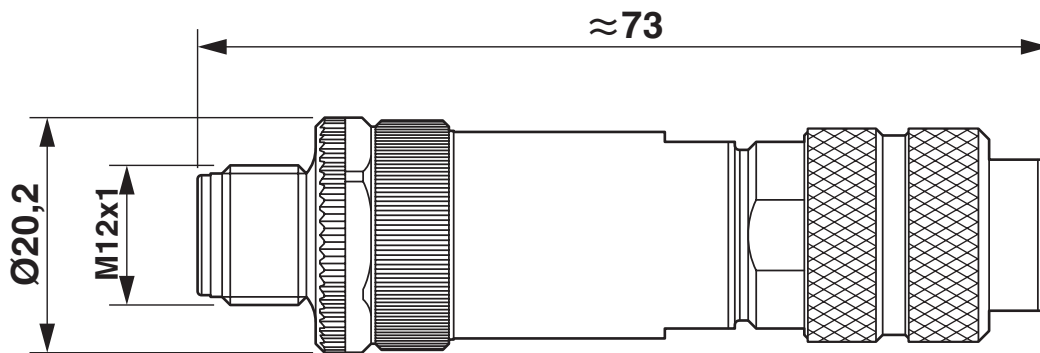


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Drawings

Dimensional drawing



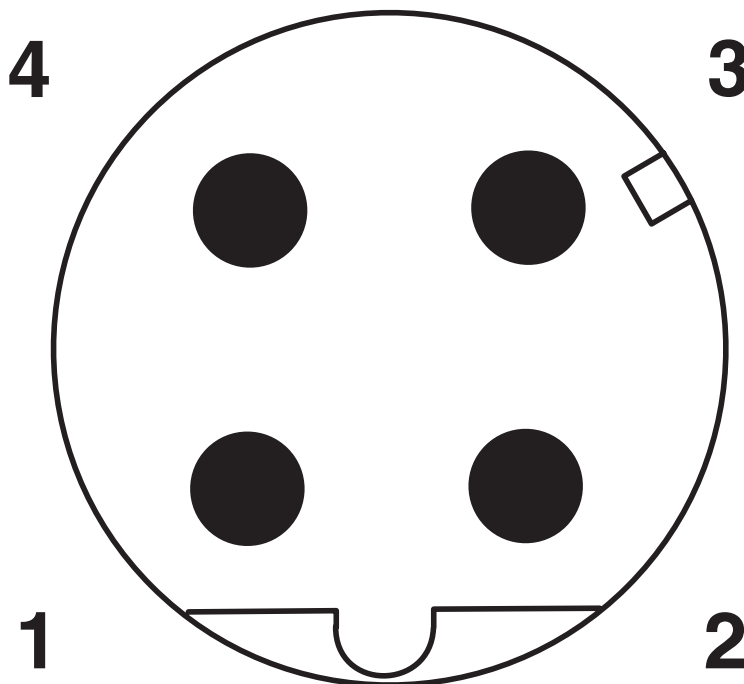
Plug, M12 x 1, straight, shielded

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Schematic diagram



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

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Classifications

ECLASS

ECLASS-13.0	27440116
ECLASS-15.0	27440116

UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
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