

Data connector - SACC-M12MSD-4CT SH PN - 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




Ethernet



sercos
the automation bus

Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 920216
GTIN	4046356920216
Weight per Piece (excluding packing)	40.000 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

Diameter housing	20.2 mm
Length	73 mm
External cable diameter	5 mm ... 8 mm

Ambient conditions

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

General

Note	Order crimp contacts separately
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Technical data

General

	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)
	NOTE: Observe the permissible bending radii when laying conductors, since the degree of protection may be put in jeopardy if the bending forces are too high. Alleviate mechanical loads upstream of the connector, e.g. by using cable ties.
Rated current at 40°C	4 A
Rated voltage	60 V DC
	48 V AC
Number of positions	4
Insulation resistance	≥ 10 GΩ
Coding	D - data
Standards/regulations	M12 connector IEC 61076-2-101
Signal type/category	PROFINET CAT5 (on the basis of IEC 11801)
Status display	No
Overvoltage category	II
Degree of pollution	3
Connection method	Crimp connection
Conductor cross section	0.34 mm² ... 0.5 mm²
Conductor cross section AWG	22 ... 20
Insertion/withdrawal cycles	≥ 100
Torque	0.6 Nm (M12 knurl)
	1 Nm (Connector with coupling sleeve)
	1 Nm (Pressure nut with coupling sleeve)
Transmission characteristics (category)	CAT5

Material

Flammability rating according to UL 94	HB
Contact carrier material	PA
Material of grip body	Zinc die-cast, nickel-plated
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	FPM (O-ring)
	NBR (Cable clamping)

Standards and Regulations

Standards/specifications	M12 connector IEC 61076-2-101
Flammability rating according to UL 94	HB

Environmental Product Compliance

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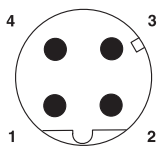
Technical data

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

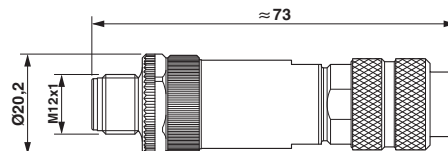
Drawings

Schematic diagram



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

Dimensional drawing



Plug, M12 x 1, straight, shielded

Classifications

eCl@ss

eCl@ss 10.0.1	27440102
eCl@ss 11.0	27440102
eCl@ss 5.1	27260701
eCl@ss 6.0	27279221
eCl@ss 9.0	27440102

ETIM

ETIM 4.0	EC002635
ETIM 6.0	EC002635
ETIM 7.0	EC002635