

Bus system connector - SACC-M12MSD-4CT SH PN - 1411046

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Bus system connector, PROFINET, 4-position, shielded, Plug straight M12, D-coded, 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
Weight per Piece (excluding packing)	22.22 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

External diameter	5 mm ... 8 mm
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Ambient conditions

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

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
Number of positions	4
Insulation resistance	≥ 10 GΩ
Coding	D - data
Standards/regulations	M12 connector IEC 61076-2-101
Signal type/category	PROFINET
Status display	No

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Technical data

General

Surge voltage category	II
Pollution degree	3
Connection method	Crimp connection
Conductor cross section	0.34 mm ² ... 0.5 mm ²
AWG conductor cross section	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)

Material

Inflammability class 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)

Classifications

eCl@ss

eCl@ss 5.1	27260701
eCl@ss 6.0	27279221
eCl@ss 8.0	27440102

ETIM

ETIM 4.0	EC002635
ETIM 5.0	EC002635

Accessories

Accessories

Crimp contact

Crimp contact - SACC-CC1,0-T-0,50-M AU PU100 - 1412351



Crimp contact, Plug, Crimp connection

Data cable by the meter

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Accessories

Network cable - VS-OE-OE-93E-100,0 - 1416295



Network cable, Ethernet CAT5 (100 Mbps), 4-position, PUR halogen-free, water blue RAL 5021, shielded, free cable end, on free cable end, Cable length: 100 m

Network cable - VS-OE-OE-93B-100,0 - 1416389



Network cable, PROFINET CAT5 (100 Mbps), 4-position, PVC, Green RAL 6018, shielded, free cable end, on free cable end, Cable length: 100 m

Network cable - VS-OE-OE-93C-100,0 - 1416376



Network cable, PROFINET CAT5 (100 Mbps), 4-position, PUR halogen-free, Green RAL 6018, shielded, free cable end, on free cable end, Cable length: 100 m, For drag chains

Network cable - VS-OE-OE-93R-100,0 - 1416363



Network cable, PROFINET CAT5 (100 Mbps), 4-position, PUR halogen-free, Green RAL 6018, shielded, free cable end, on free cable end, Cable length: 100 m, For robots

Network cable - VS-OE-OE-936-100,0 - 1416570



Network cable, PROFINET CAT5 (100 Mbps), 4-position, RADOX® GKW S halogen-free, Black RAL 9005, shielded, free cable end, on free cable end, Cable length: 100 m, For railway applications

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Accessories

Network cable - VS-OE-OE-93G-100,0 - 1419152



Network cable, EtherCAT[®] CAT5 (100 Mbps), 4-position, PVC, Green RAL 6018, shielded, free cable end, on free cable end, Cable length: 100 m

Network cable - VS-OE-OE-93K-100,0 - 1419173



Network cable, Sercos III CAT5 (100 Mbps), 4-position, PVC/PVC, Red RAL 3020, shielded, free cable end, on free cable end, Cable length: 100 m

Protective cap

Sealing cap - PROT-M12 FS-PA-CHAIN - 1430873

M12 sealing cap made of plastic with fixing band, for sensor cables, for free M12 sockets



Screwdriver tools

Adapter insert - TSD-M SAC-BIT ADAPTER - 1212600



Adapter bit for TSD-M...torque tools, E6.3-1/4" drive with 4 mm hexagon to accommodate SAC bits

Tool - SACC BIT M12-D20 - 1208445



Nut for assembling SACC M12 connectors for free assembly, excluding M12 connectors with QUICKON fast connection technology, for 4 mm hexagonal drive

Torque tool

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Accessories

Torque screwdriver - TSD-M 1,2NM - 1212224



Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 0.3 - 1.2 Nm

Necessary add-on products

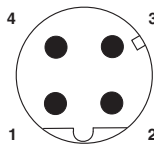
Crimp contact - SACC-CC1,0-T-0,50-M AU PU100 - 1412351



Crimp contact, Plug, Crimp connection

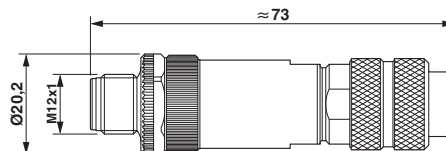
Drawings

Schematic diagram



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

Dimensioned drawing



Plug, M12 x 1, straight, shielded