Bus system connector - SACC-M12FS-8Q SH - 1553640

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Bus system connector, Ethernet CAT5, Ethernet CAT5e, 8-position, shielded, Socket straight M12, A-coded, Insulation displacement connection, Knurl material: Zinc die-cast, nickel-plated, External cable diameter 4 mm ... 8 mm

Product Features

- Safe use in the field, thanks to a high degree of protection
- Flexible: connectors for on-site assembly
- Insulation displacement connection: innovative and time-saving assembly without stripping the single wire
- Reliable signal transmission - 360° shielding in environments with electromagnetic interference

Ethernet

Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	0.06 GRM
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

External diameter	4 mm ... 8 mm
Stripping length of the sheath	35 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 85 °C
Degree of protection	IP67

General

Rated current at 40°C	1.75 A
Rated voltage	30 V
Number of positions	8
Contact resistance	≤ 5 mΩ

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Technical data

General

Insulation resistance	≥ 100 MΩ
Coding	A - standard
Standards/regulations	M12 connector IEC 61076-2-101
Signal type/category	Ethernet CAT5 (IEC 11801:2002)
	Ethernet CAT5e (TIA 568B:2001)
Status display	No
Surge voltage category	II
Pollution degree	3
Connection method	Insulation displacement connection
Conductor cross section	0.14 mm² ... 0.34 mm²
AWG conductor cross section	26 ... 22
Frequency of connections between conductors of the same cross section	≤ 10
Insertion/withdrawal cycles	≥ 100
Torque	0.4 Nm (M12 knurl)
	0.8 Nm (Connector with coupling sleeve)
	3 Nm (Pressure nut with coupling sleeve)

Material

Inflammability class according to UL 94	V0
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	PA 66
Material of grip body	Zinc die-cast, nickel-plated
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	Neoprene

Classifications

eCl@ss

eCl@ss 4.0	27250313
eCl@ss 4.1	27250313
eCl@ss 5.0	27143423
eCl@ss 5.1	27143423
eCl@ss 6.0	27143423
eCl@ss 7.0	27449001
eCl@ss 8.0	27449001

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Classifications

ETIM

ETIM 3.0	EC002062
ETIM 4.0	EC002062
ETIM 5.0	EC002062

UNSPSC

UNSPSC 6.01	31251501
UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	31251501

Approvals

Approvals

Approvals

GOST

Ex Approvals

Approvals submitted

Approval details

GOST

Accessories

Accessories

Data cable by the meter

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Accessories

Network cable - VS-OE-OE-94B/... - 1417333

Network cable, Ethernet CAT5 (1 Gbps), Ethernet CAT5e (1 Gbps), 8-position, PUR halogen-free, water blue RAL 5021, shielded, Free cable end, on Free cable end, Cable length: Free entry (0.5 ... 400.0 m)

Network cable - VS-OE-OE-94C/... - 1417346

Network cable, Ethernet CAT5 (1 Gbps), Ethernet CAT5e (1 Gbps), 8-position, PUR halogen-free, water blue RAL 5021, shielded, Free cable end, on Free cable end, Cable length: Free entry (0.5 ... 400.0 m), For drag chains

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Network cable - VS-OE-OE-94F/... - 1417359

Network cable, Ethernet CAT6$_A$ (10 Gbps), 8-position, PUR halogen-free, water blue RAL 5021, shielded, Free cable end, on Free cable end, Cable length: Free entry (0.5 ... 400.0 m)

Protective cap

Screw plug - PROT-M12 MS-PA-CHAIN - 1430899

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

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Screwdriver tools

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

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Accessories

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

Shield connection

Shielding foil - ALU-SB - 1404531

Aluminum shielding tape, for fixing the braided shield of shielded cables. Length: 4 cm, width: 1.2 cm

Stripping tool

Stripping tool - WIREFOX-D 40 - 1212161

Stripping tool, for stripping cables of 4.5 mm - 40 mm-Ø, insulation thickness of up to 4.5 mm, pivoting blade for round, lengthwise, and spiral cuts

Torque tool

Torque screwdriver - TSD 04 SAC - 1208429

Torque screwdriver, with preset torque of 0.4 Nm and 4 mm hexagonal drive for M12 connectors

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Accessories

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

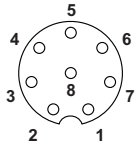
Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 0.3 - 1.2 Nm

Torque screwdriver - TSD 08 SAC - 1212597

Torque screw driver with preset torque of 0.8 Nm, with 4 mm hexagon for accommodating SAC bits, two-component handle with non-slip grip

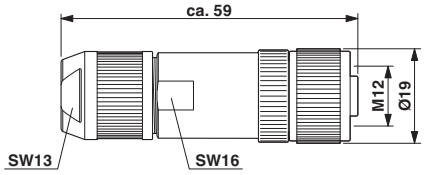
Drawings

Schematic diagram



Pin assignment M12 socket, 8-pos., A-coded, view female side

Dimensioned drawing



M12 x 1 socket, straight, shielded

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