

Bus system connector - SACC-FSB-3PL SH PB SCO - 1424696

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Bus system connector, PROFIBUS DP (12 Mbps), 3-position, shielded, Socket straight M12 SPEEDCON, B-coded, Spring-cage connection, Knurl material: Zinc die-cast, nickel-plated, External cable diameter 4 mm ... 8 mm

Why buy this product

- ✓ Safe use in the field, thanks to a high degree of protection
- ✓ Flexible: connectors for on-site assembly
- ✓ Save time, thanks to installation with SPEEDCON fast locking system
- ✓ Spring-cage connection: connect more securely, even in the case of shock and vibration, thanks to high contact forces
- ✓ Reliable signal transmission - 360° shielding in environments with electromagnetic interference
- ✓ Easy tool free wiring with the push-in connection
- ✓ Quick and easy installation, thanks to Push-in connection technology



Key Commercial Data

Packing unit	1
GTIN	 4 055626 376233
GTIN	4055626376233

Technical data

Dimensions

External diameter	4 mm ... 8 mm
Stripping length of the sheath	32 mm
Stripping length of the individual wire	6 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 85 °C (Plug / socket)
Degree of protection	IP65

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Technical data

Ambient conditions

	IP67
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General

Rated current at 40°C	4 A
Rated voltage	60 V DC
	48 V AC
Number of positions	3
Insulation resistance	≥ 100 MΩ
Coding	B-coded
Standards/regulations	M12 connector IEC 61076-2-101
Signal type/category	PROFIBUS DP, 12 Mbps
Status display	No
Overvoltage category	II
Degree of pollution	3
Connection method	Spring-cage connection
Conductor cross section	0.14 mm² ... 0.75 mm²
	0.08 mm² ... 0.5 mm² (with ferrule)
Conductor cross section AWG	26 ... 18
	28 ... 20 (with ferrule)
Insertion/withdrawal cycles	≥ 100
Torque	0.4 Nm (M12 knurl)
	0.8 Nm (Connector with coupling sleeve)
	3 Nm (Pressure nut with coupling sleeve)
Assembly instructions	The wires can be connected both with ferrules and without ferrules

Material

Flammability rating according to UL 94	V0
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	PA 6.6
Material of grip body	Zinc die-cast, nickel-plated
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	NBR

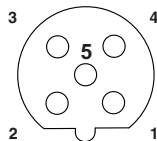
Standards and Regulations

Standard designation	M12 connector
Standards/regulations	IEC 61076-2-101
Flammability rating according to UL 94	V0

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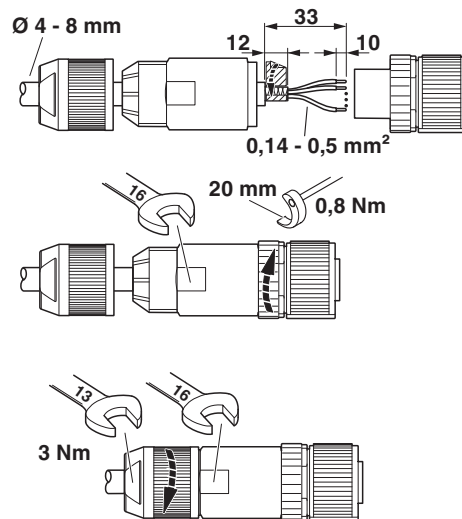
Drawings

Schematic diagram



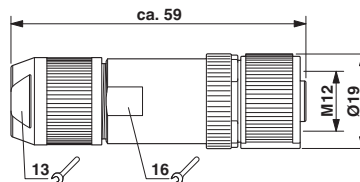
Pin assignment M12 socket, 5-pos., B-coded, female side

Functional drawing



Slide the pressure nut and sleeve housing along the cable, strip the cable, shorten the shield, strip the single wires, connect the wires, in the case of a straight sleeve housing gently twist the wires together, stick the shielding foil around the shortened shield, in the case of a cable outside diameter < 6 mm stick an additional shielding foil around the wire pack, screw the sleeve housing to the plug insert, screw the pressure nut tight.

Dimensional drawing



Socket M12-SPEEDCON, straight, shielded

Approvals

Approvals

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EAC

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Approvals

Ex Approvals

Approval details

EAC		EAC-Zulassung
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