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Bus system connector, PROFIBUS DP (12 Mbps), 3-position, shielded, Socket angled M12 Screw locking, B-coded, Push-in 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
- Quick and easy installation, thanks to Push-in connection technology



Key Commercial Data

Packing unit	1 STK
GTIN	4 055626 376257
GTIN	4055626376257
Weight per Piece (excluding packing)	22.220 g
Custom tariff number	85366990
Country of origin	Germany
Note	Made to Order (non-returnable)

Technical data

Dimensions

External cable diameter	4 mm 8 mm
Stripping length of the sheath	34 mm
Stripping length of the individual wire	6 mm

Ambient conditions

Ambient temperature (operation)	-40 °C 85 °C (Plug / socket)



Technical data

Ambient conditions

Degree of protection	IP65
	IP67

General

4 A
60 V DC
48 V AC
3
\geq 100 M Ω
B-coded
M12 connector IEC 61076-2-101
PROFIBUS DP, 12 Mbps
No
II II
3
Push-in connection
0.14 mm ² 0.75 mm ² (without ferrule)
0.08 mm ² 0.5 mm ² (with ferrule)
0.14 mm ² 0.75 mm ² (solid)
26 18 (without ferrule)
28 20 (with ferrule)
≥ 100
0.4 Nm (M12 knurl)
0.8 Nm (Connector with coupling sleeve)
3 Nm (Pressure nut with coupling sleeve)
The connector pin assignment can be rotated 45° to the cable outlet
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

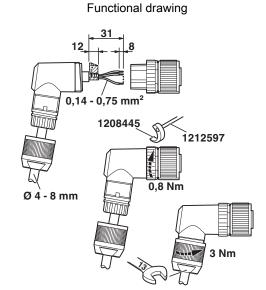


Drawings

Schematic diagram

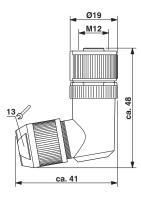


Pin assignment M12 socket, 5-pos., B-coded, female side



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, angled, shielded

Classifications

eCl@ss

eCl@ss 5.1	27143423
eCl@ss 6.0	27279218
eCl@ss 7.0	27440104
eCl@ss 8.0	27440104
eCl@ss 9.0	27440102



Classifications

ETIM

ETIM 5.0	EC002635
ETIM 6.0	EC002635
Approvals	
Approvals	
Approvals	
EAC	
Ex Approvals	
Approval details	

Accessories

EAC

Accessories

Connector

Ferrule - AI 0,25- 6 YE - 3203024



Ferrule, sleeve length: 6 mm, length: 10.5 mm, color: yellow

EHE

Ferrule - A 0,25-7 - 3202478



Ferrule, sleeve length: 7 mm, length: 7 mm, color: silver

EAC-Zulassung



Accessories

Ferrule - A 0,34-7 - 3009202



Ferrule, sleeve length: 7 mm, length: 7 mm, color: silver

Ferrule - A 0,5 - 6 - 3200218



Ferrule, sleeve length: 6 mm, length: 6 mm, color: silver

Ferrule - AI 0,5 - 6 WH - 3200687



Ferrule, sleeve length: 6 mm, length: 12 mm, color: white

Crimping tool

Crimping pliers - CRIMPFOX 6H - 1212046



Crimping pliers, for ferrules without insulating collar according to DIN 46228 Part 1 and ferrules with insulating collar according to DIN 46228 Part 4, 0.14 mm² ... 6 mm², unlockable pressure lock, lateral entry

Data cable by the meter

Bus system cable - SAC-2P-910/... - 1511491



Bus system cable, PROFIBUS, 2-position, PUR halogen-free, violet RAL 4001, shielded, free cable end, on free cable end, cable length: Free entry $(0.5 \dots 400 \text{ m})$

Protective cap



Accessories

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

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



Screwdriver tools

Tool - SACC BIT M12-D20 - 1208445



Nut for assembling M12 connectors for assembly with a knurl diameter of 20 mm, for 4 mm hexagonal drive

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

Shielding foil, for fixing the braided shield of shielded cables. Length: 4 cm, width: 1.2 cm



Stripping tool

Stripping tool - WIREFOX 2,5 - 1212368



Stripping tool, for conductors and cables with a conductor cross section from 0.08 to 2.5 mm, self-adjusting, stripping length adjustable up to 15 mm, cutting capacity up to 6 mm 2 stranded/1.5 mm 2 solid

Torque tool



Accessories

Torque screwdriver - TSD 04 SAC - 1208429



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

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

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-M 3NM - 1212225



Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 1.2 - 3 Nm

Stripping tool - VS-CABLE-STRIP-VARIO - 1657407



Stripping tool, for the multi-level stripping of shielded cables

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