PHŒNIX CONTACT

Conductor connectors - SACC-CC-2QO SH PB - 1420426

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Cable connector, PROFIBUS DP (12 Mbps), 3-pos., halogen-free, shielded, displacement connection, housing material: zinc die-cast, nickel-plated, outer cable diameter of 5 mm ... 9.7 mm

Your advantages

☑ Innovative and time saving - QUICKON fast connection for time saving of up to 80 % for on-site connection

☑ Convenient: quick and easy assembly without special tools

☑ Insulation displacement connection: innovative and time-saving assembly without stripping the single wire

☑ Safe use in the field, thanks to a high degree of protection

☑ Reliable signal transmission - 360° shielding in environments with electromagnetic interference

RoHS   **PROFI BUS®**

Key Commercial Data

Packing unit	1 pc
GTIN	4 055626 323343
GTIN	4055626323343
Weight per Piece (excluding packing)	60.800 g
Custom tariff number	85366990
Country of origin	Germany
Note	Made to Order (non-returnable)

Technical data

Dimensions

Wrench size, union nut	15 mm
External diameter	5 mm ... 9.7 mm
Stripping length of the sheath	$\geq$ 80 mm

Ambient conditions

Ambient temperature (assembly)	-5 °C ... 50 °C
Degree of protection	IP65
	IP67

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Technical data

General

Note	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	48 V AC
	60 V DC
Number of positions	3
Insulation resistance	$\geq$ 100 MΩ
Standards/regulations	according to IEC 61076-2-101
	Shock, vibration EN 50155:2001
Signal type/category	PROFIBUS DP, 12 Mbps
Status display	No
Overvoltage category	II
Degree of pollution	3
Connection method	Insulation displacement connection
Conductor cross section	0.25 mm² ... 0.75 mm² (flexible)
	0.14 mm² ... 0.5 mm² (solid)
Conductor cross section AWG	24 ... 18 (flexible)
	26 ... 20 (solid)
Wire diameter including insulation	1 mm ... 2 mm (maximum of 2.6 mm when connecting PROFIBUS cables)
Frequency of connections between conductors of the same cross section	10
Wire insulation material	PVC / PE / PP / rubber
Structure of individual litz in acc. with VDE 0295 / smallest wire diameter	Class 2-6
Torque	5 Nm (Pressure nut)
Assembly instructions	If the conductor is to be reconnected, it must be cut off above the last contact point.

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/regulations	PA 6.6: Fire protection in rail vehicles - requirement sets R22, R23, and R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3)

Cable

Standards/specifications	according to IEC 61076-2-101
	Shock, vibration EN 50155:2001

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Standards and Regulations

Standards/specifications	according to IEC 61076-2-101
	Shock, vibration EN 50155:2001
Flammability rating according to UL 94	V0

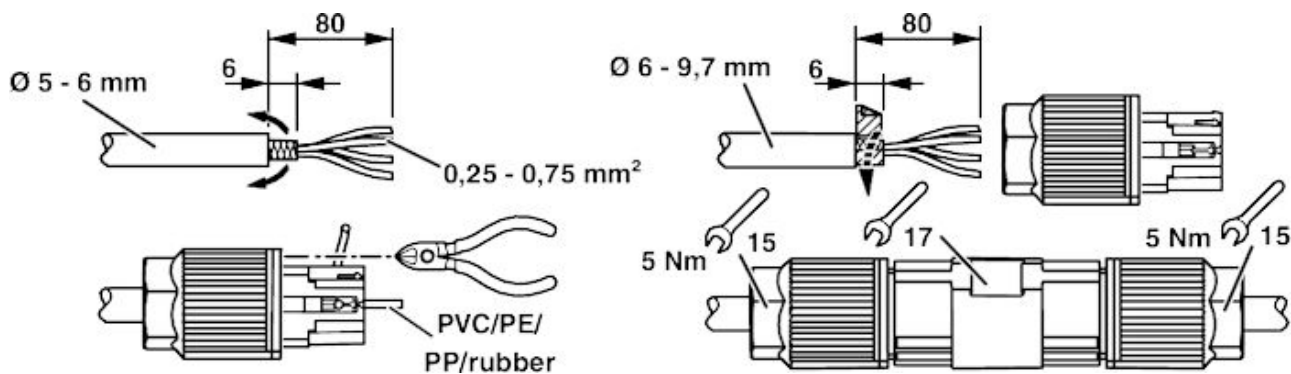### Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

Dimensional drawing
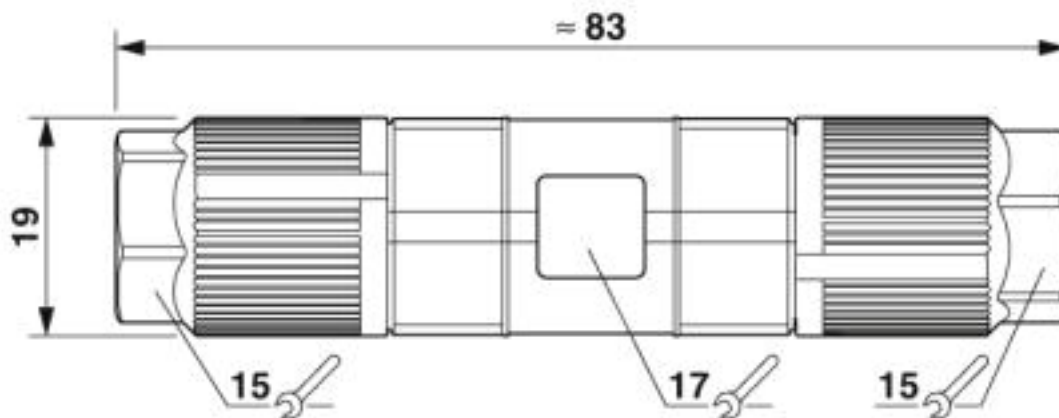
Functional drawing

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Classifications

eCl@ss

eCl@ss 10.0.1	27440102
eCl@ss 4.0	27260700
eCl@ss 4.1	27260700
eCl@ss 5.0	27260700
eCl@ss 5.1	27260700
eCl@ss 6.0	27260700
eCl@ss 7.0	27440102
eCl@ss 8.0	27440102
eCl@ss 9.0	27440102

Approvals

Approvals

Approvals

EAC / EAC

Ex Approvals

Approval details

EAC	EAC	RU C-DE.AI30.B.01102

EAC	EAC	RU C-DE.BL08.B.00511

Accessories

Accessories
Electronics pliers

Diagonal cutter - MICROFOX-SB - 1212489

Electronic diagonal cutter, round head, without chamfer, with opening spring, mirror-polished and oiled, 2-component grip, cutting capacity: soft 0.2 - 2.0 mm; medium hard 1.2 mm; hard 0.5 mm diameter

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Accessories

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

Shielding foil - VS-08-RJ45-FOLIEN-SET - 1417184

Shielding foil set, 25 pieces, replacement for RJ45 and M12 Quickon connector

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

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