Bus system connector - SACC-FS-2QO SH PBPA SCO - 1413934

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Bus system connector, PROFIBUS PA (31.25 kbps), 2-position, halogen-free, shielded, Socket straight M12 SPEEDCON, A-coded, Insulation displacement connection, Knurl material: Zinc die-cast, nickel-plated, External cable diameter 5 mm ... 9.7 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
- Save time, thanks to installation with SPEEDCON fast locking system

Key Commercial Data

Packing unit	1 pc
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

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

Ambient conditions

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

General

Rated current at 40°C	4 A

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Technical data

General

Rated voltage	30 V DC
Number of positions	2
Insulation resistance	≥ 100 MΩ
Coding	A-coded
Standards/regulations	M12 connector IEC 61076-2-101
Signal type/category	PROFIBUS PA, 31.25 kbps
Status display	No
Overvoltage category	II
Pollution degree	3
Connection method	Insulation displacement connection
Conductor cross section	0.25 mm² ... 0.75 mm² (stranded)
	0.14 mm² ... 0.5 mm² (solid)
AWG conductor cross section	24 ... 18 (stranded)
	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
Insertion/withdrawal cycles	≥ 100
Torque	0.4 Nm (M12 knurl)
	5 Nm (Pressure nut)

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)

Classifications

eCl@ss

eCl@ss 5.1	27143423
eCl@ss 6.0	27279221

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Classifications

ETIM

ETIM 5.0	EC002635

Approvals

Approvals

Approvals

EAC

Ex Approvals

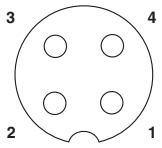
Approvals submitted

Approval details

EAC

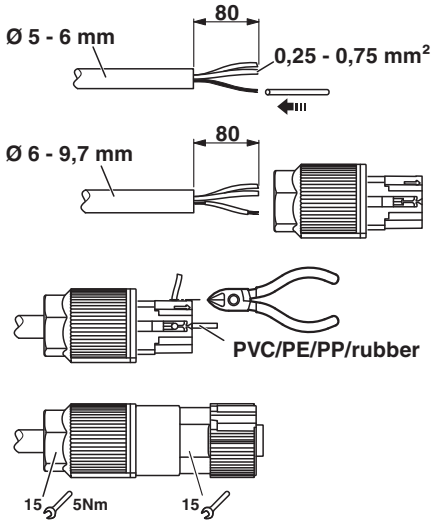
Drawings

Schematic diagram



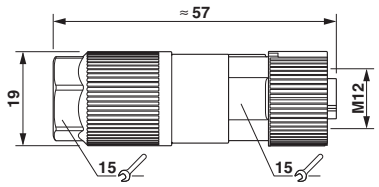
Pin assignment M12 socket, 4-pos., A-coded, view female side

Functional drawing



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Dimensional drawing



M12 x 1 socket, straight, shielded

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