

Data connector - SACC-FS-8QO SH ETH SCO - 1421680

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Data connector, Ethernet CAT5 (1 Gbps), 8-position, halogen-free, shielded, Socket straight M12 SPEEDCON, Coding: A, Insulation displacement connection, knurl material: Zinc die-cast, nickel-plated, external cable diameter 5 mm ... 9.7 mm

Your advantages

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



Ethernet

Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4055626276823

Technical data

Dimensions

Wrench size, union nut	15 mm
Diameter housing	19 mm
Length	57 mm
External cable diameter	5 mm ... 9.7 mm
Stripping length of the sheath	≥ 80 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 85 °C (Plug / socket)
Ambient temperature (assembly)	-5 °C ... 50 °C
Degree of protection	IP65
	IP67

General

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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	2 A
Rated voltage	48 V AC
	60 V DC
Number of positions	8
Insulation resistance	≥ 100 MΩ
Coding	A - standard
Standards/regulations	M12 connector according to IEC 61076-2-101
Signal type/category	Ethernet CAT5 (on the basis of IEC 11801), 1 Gbps
Status display	No
Overvoltage category	III
Degree of pollution	3
Connection method	Insulation displacement connection
Conductor cross section	0.14 mm ² ... 0.34 mm ² (flexible)
	0.14 mm ² ... 0.34 mm ² (solid)
Conductor cross section AWG	26 ... 22 (flexible)
	26 ... 22 (solid)
Wire diameter including insulation	0.75 mm ... 2 mm
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	5 Nm (Pressure nut)
Transmission characteristics (category)	CAT5

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, R24, and R26 acc. to DIN EN 45545-2 (Risk level HL1 - HL3)

Standards and Regulations

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

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Technical data

Standards and Regulations

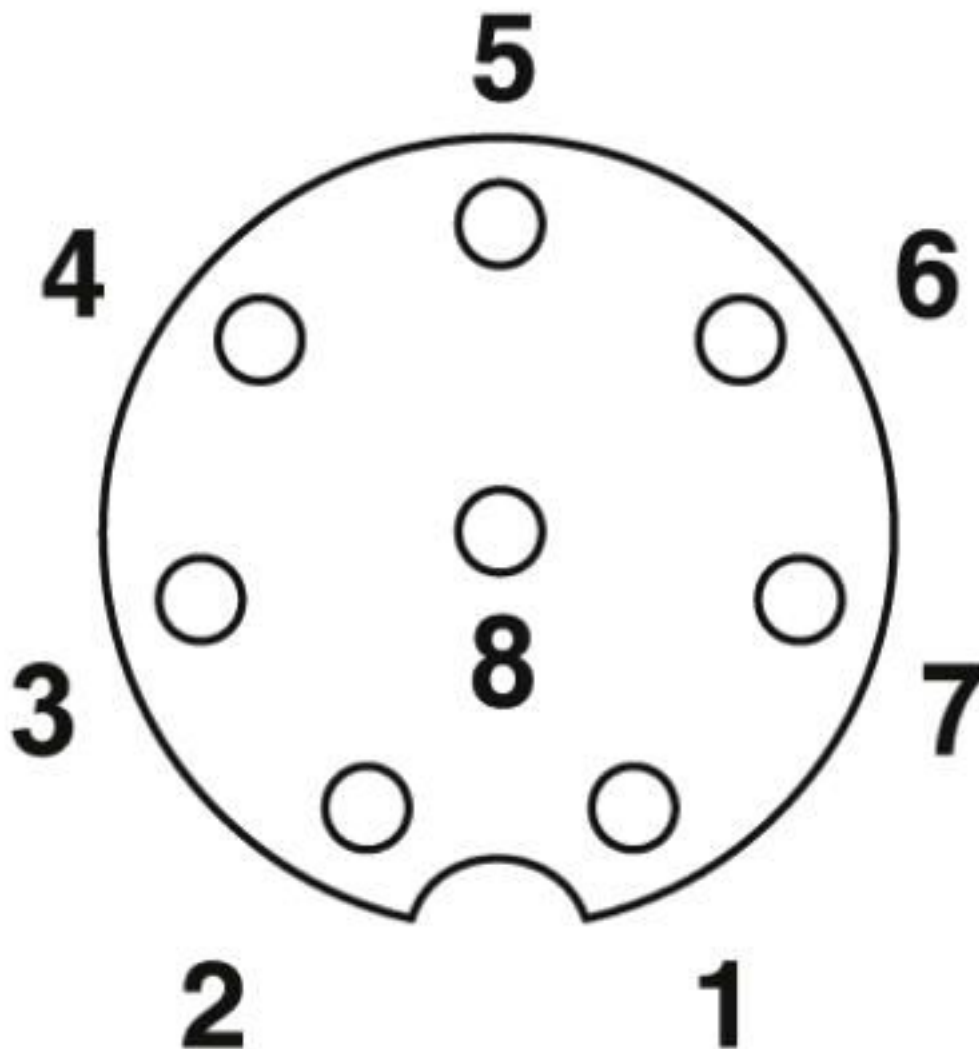
Standards/regulations	acc. to DIN EN 45545-2
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Environmental Product Compliance

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

Drawings

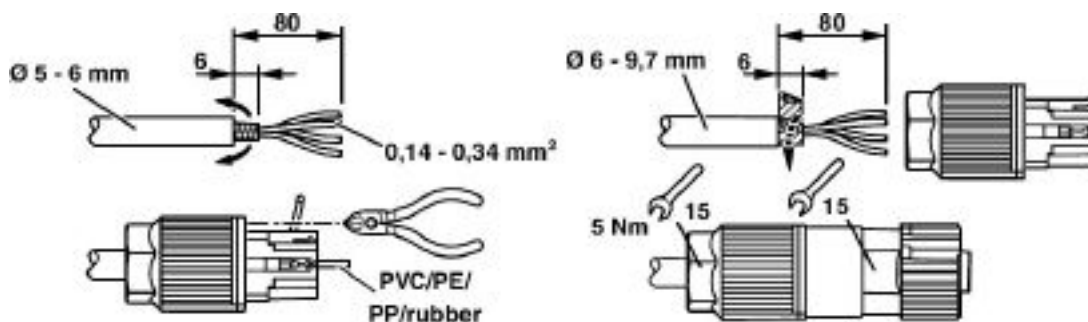
Schematic diagram



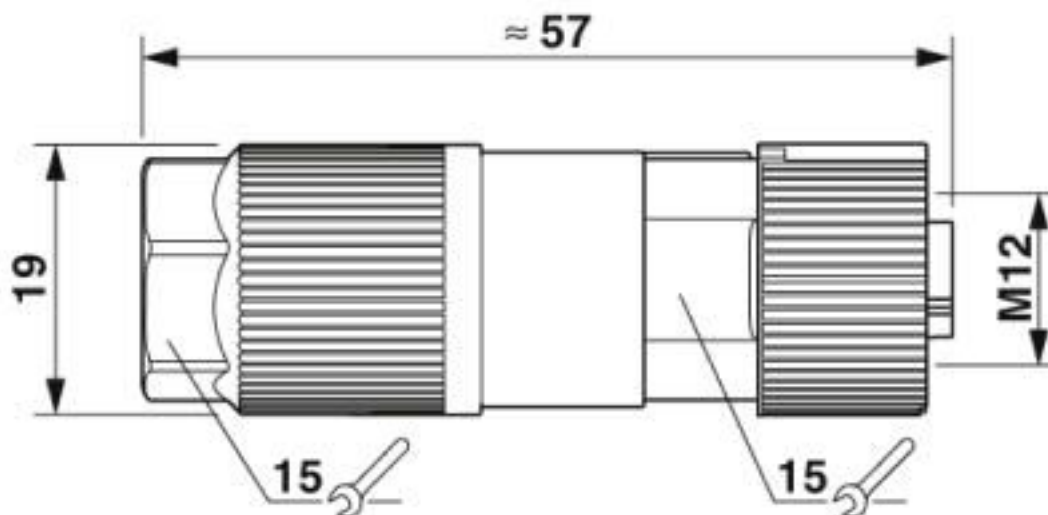
Pin assignment M12 socket, 8-pos., A-coded, view female side

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Functional drawing



Dimensional drawing



M12 x 1 socket, straight, shielded

Classifications

eCl@ss

eCl@ss 10.0.1	27440102
eCl@ss 4.0	27140800
eCl@ss 4.1	27140800
eCl@ss 5.0	27143400
eCl@ss 5.1	27143400
eCl@ss 6.0	27279200
eCl@ss 7.0	27440104
eCl@ss 8.0	27440104
eCl@ss 9.0	27440102

ETIM

ETIM 5.0	EC002635
ETIM 6.0	EC002062

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Classifications

UNSPSC

UNSPSC 13.2	39121413
UNSPSC 18.0	39121413
UNSPSC 19.0	39121413
UNSPSC 20.0	39121413
UNSPSC 21.0	39121413

Approvals

Approvals

Approvals

EAC / EAC

Ex Approvals

Approval details

EAC		RU C- DE.AI30.B.01102
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EAC		RU C- DE.BL08.B.00511
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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

Plug for cable screw gland

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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

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

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



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