PHŒNIX CONTACT

Connector - SACC-FS-4PL M SCO - 1424655

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Connector, 4-position, Socket straight M12 SPEEDCON, A-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

☑ Quick and easy installation, thanks to Push-in connection technology

☑ Easy tool free wiring with the push-in connection

RoHS   SPEEDCON LOCKING

Key Commercial Data

Packing unit	1
GTIN	4 055626 375823
GTIN	4055626375823

Technical data

Dimensions

External cable diameter	4 mm ... 8 mm
Stripping length of the sheath	24 mm
Stripping length of the individual wire	8 mm

Ambient conditions

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

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Technical data

General

Rated current at 40°C	4 A
Rated voltage	250 V
Number of positions	4
Insulation resistance	$\geq$ 100 MΩ
Coding	A - standard
Standards/regulations	M12 connector IEC 61076-2-101
	Shock, vibration EN 50155:2001
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	$\geq$ 100
Torque	0.4 Nm (M12 knurl)
	0.4 Nm (Connector with coupling sleeve)
	1.5 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	PA 66
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	NBR

Cable

Standards/specifications	M12 connector IEC 61076-2-101
	Shock, vibration EN 50155:2001

Standards and Regulations

Standard designation	M12 connector
Standards/regulations	IEC 61076-2-101
Standard designation	Shock, vibration
Standards/regulations	EN 50155:2001

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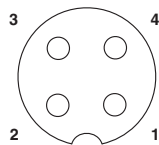
Technical data

Standards and Regulations

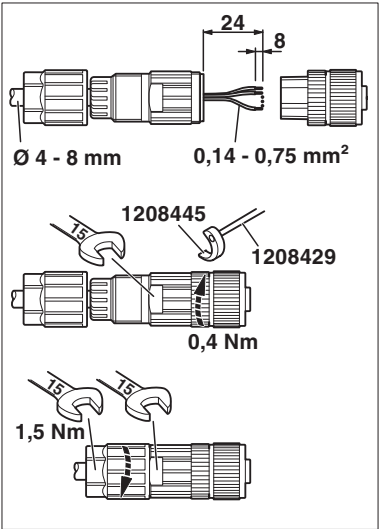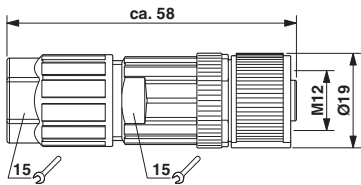| Flammability rating according to UL 94	V0

Drawings

Schematic diagram

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

Functional drawing

Dimensional drawing

M12-SPEEDCON socket, straight

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

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Classifications

ETIM

ETIM 5.0	EC002635

Approvals

Approvals

Approvals

EAC

Ex Approvals

Approval details

EAC	EAC	EAC-Zulassung

Accessories

Accessories

Cable by the meter

Cable reel - SAC-4P-100,0-PUR/0,25 - 1501692

Cable ring, PUR halogen-free black, 4-pos., conductor colors: brown / white / blue / black, cable length: 100 m

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Cable reel - SAC-4P-100,0-PUR/0,34 - 1501663

Cable ring, PUR halogen-free black, 4-pos., conductor colors: brown / white / blue / black, cable length: 100 m

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Connector

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Accessories

Ferrule - A 0,25- 5 - 3202465

Ferrule, Sleeve length: 5 mm, Length: 5 mm, Color: silver

Ferrule - AI 0,25- 6 YE - 3203024

Ferrule, Sleeve length: 6 mm, Length: 10.5 mm, Color: yellow

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

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Accessories

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

Protective cap

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

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Accessories

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 mm² stranded/1.5 mm² solid

Stripping tool - WIREFOX SAC - 1212623

Stripping pliers, for halogen-free sensor/actuator cables (SAC cables), with PUR and PVC insulation, from Ø of 4.4 to 7 mm, any stripping length

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

Torque screwdriver - TSD-M 1,2NM - 1212224

Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 0.3 - 1.2 Nm