

Connector - SACC-FS-12PCON SCO - 1559631

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Sensor/actuator connector, female connector, straight, 12-pos., M12 SPEEDCON, metal knurl, Piercecon®, maximum cable diameter of 8.2 mm

Product Features

- ✓ 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 rapid interlock system
- ✓ Piercecon® connection: maximum contact density in a connector that can be assembled
- ✓ Save space – with high-pos. connectors



Key commercial data

package_quantity	1
GTIN	4046356314848

Technical data

Dimensions

Wrench size, union nut	13 mm
External diameter	5.4 mm ... 8.2 mm
Stripping length of the sheath	≥ 60 mm

Ambient conditions

Ambient temperature (operation)	-25 °C ... 85 °C (Plug / socket)
Degree of protection	IP67

General

Rated current at 40°C	1.5 A
Rated voltage	30 V
Number of positions	12
Contact resistance	≤ 5 mΩ
Insulation resistance	≥ 100 MΩ
Coding	A - standard
Standards/regulations	M12 connector IEC 61076-2-101
Status display	No
Surge voltage category	II

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Technical data

General

Pollution degree	3
Connection method	Piercecon® fast connection
Conductor cross section	0.14 mm ²
AWG conductor cross section	26
Wire diameter including insulation	0.95 mm ... 1.05 mm
Frequency of connections between conductors of the same cross section	≥ 5
Wire insulation material	PUR/PVC
Structure of individual litz in acc. with VDE 0295 / smallest wire diameter	VDE 0295 Class 6
Insertion/withdrawal cycles	≥ 100
Torque	0.4 Nm (M12 knurl)

Material

Inflammability class according to UL 94	V0
Contact material	CuZn
Contact surface material	Ni/Au
Contact carrier material	PA
Material of grip body	Zinc die-cast, nickel-plated
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	FKM

classifications

eCl@ss

eCl@ss 4.0	27140815
eCl@ss 4.1	27140815
eCl@ss 5.0	27143423
eCl@ss 5.1	27143423
eCl@ss 6.0	27279221
eCl@ss 7.0	27440104
eCl@ss 8.0	27440104

ETIM

ETIM 2.0	EC001121
ETIM 3.0	EC002062
ETIM 4.0	EC002062
ETIM 5.0	EC002062

UNSPSC

UNSPSC 6.01	30211824
UNSPSC 7.0901	39121413
UNSPSC 11	39121413
UNSPSC 12.01	39121413

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classifications

UNSPSC

UNSPSC 13.2	39121413
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approvals

GOST /

Approval details



accessories

Cable by the meter

SAC-12P-100,0-PVC/0,14 - 1441532



Electronics pliers

MICROFOX-SP-1 - 1212487



Torque tool

TSD 04 SAC - 1208429



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accessories

TSD-M 1,2NM - 1212224



Screwdriver tools

SAC BIT M12-D15 - 1208432



TSD-M SAC-BIT ADAPTER - 1212600



Protective cap

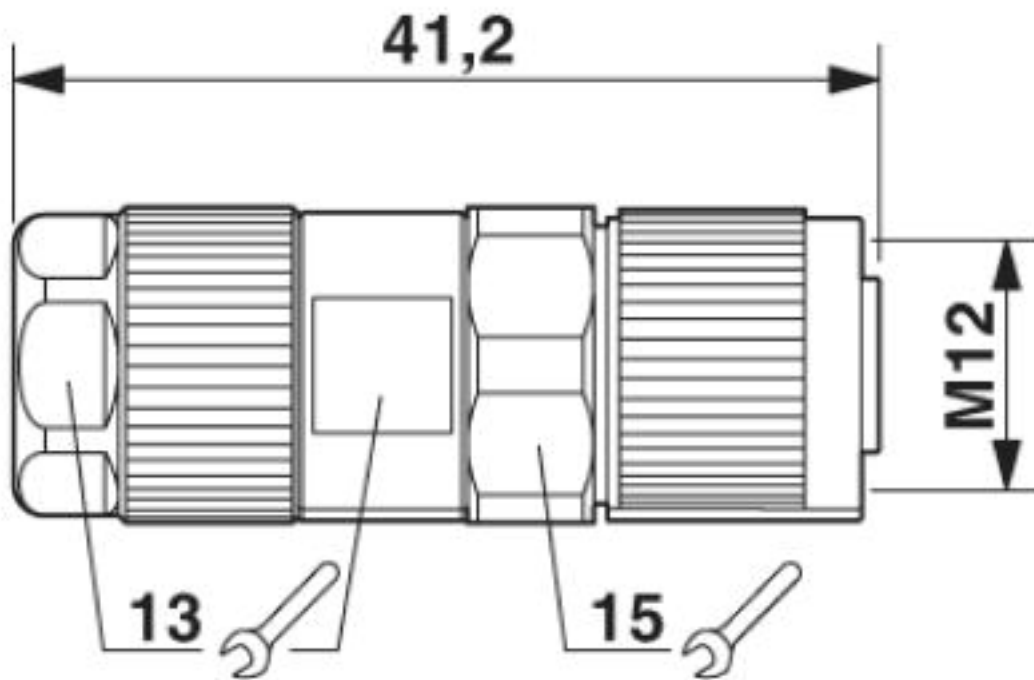
PROT-M12 MS-PA-CHAIN - 1430899



Drawings

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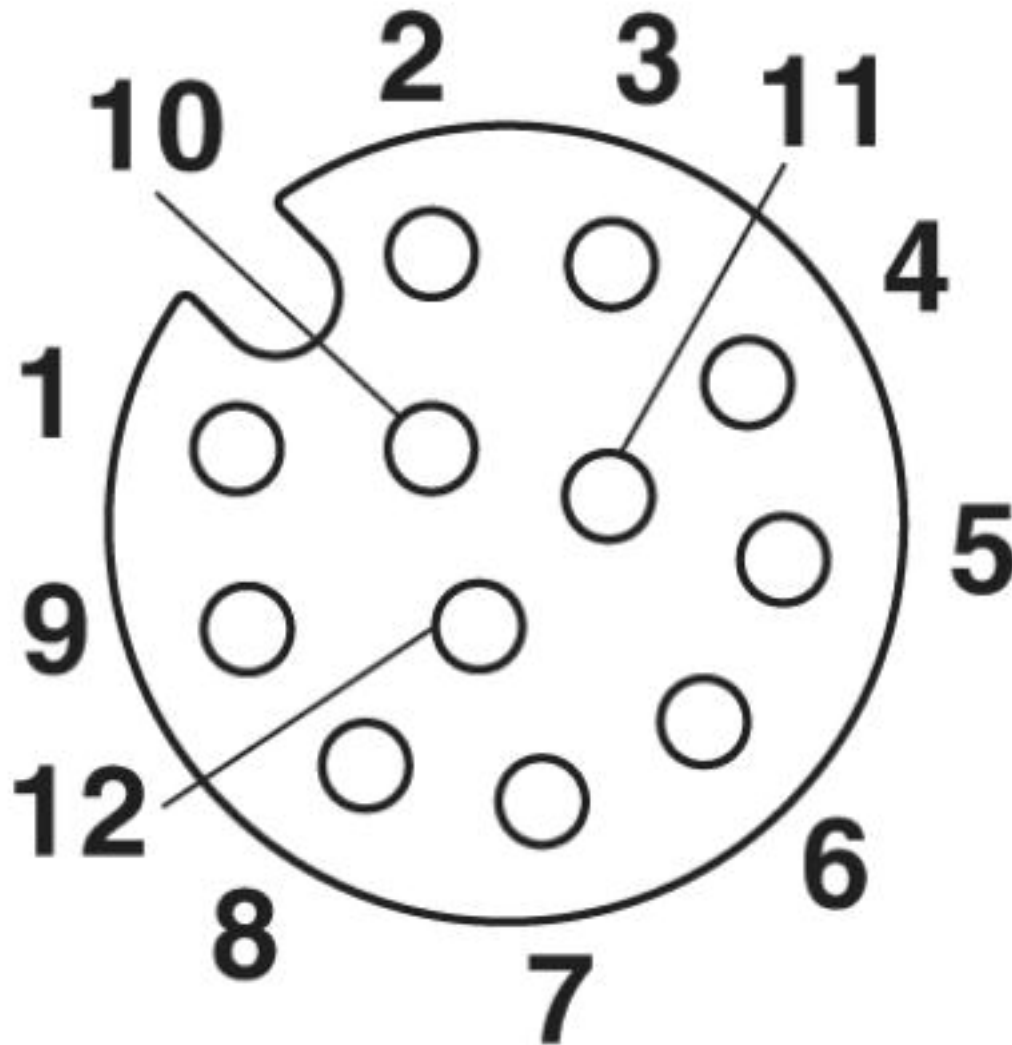
Dimensioned drawing



M12 x 1 socket, straight

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Schematic diagram



Pin assignment M12, 12-pos., female side view

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