

## Connector - SACC-FS-12PCON SCO - 1559631

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Connector, 12-position, Socket straight M12 SPEEDCON, A-coded, Piercecon® fast connection, Knurl material: Zinc die-cast, nickel-plated, External cable diameter 5.4 mm ... 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 fast locking system
- Piercecon® connection: maximum contact density in a connector that can be assembled
- Save space – with high-pos. connectors



### Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	40.0 g
Custom tariff number	85366990
Country of origin	Germany

### Technical data

#### Dimensions

Wrench size, union nut	13 mm
External cable 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
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## Technical data

### General

Rated voltage	30 V
Rated surge voltage	0.8 kV
Number of positions	12
Insulation resistance	≥ 100 MΩ
Coding	A - standard
Standards/regulations	M12 connector IEC 61076-2-101
Status display	No
Overvoltage category	II
Degree of pollution	3
Connection method	Piercecon® fast connection
Conductor cross section	0.14 mm²
Conductor cross section AWG	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

Flammability rating 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

### Standards and Regulations

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

## Classifications

### eCl@ss

eCl@ss 4.0	27140815
eCl@ss 4.1	27140815

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#### eCl@ss

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
eCl@ss 9.0	27440102

#### 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
UNSPSC 13.2	39121413

### Approvals

#### Approvals

Approvals

EAC / EAC

Ex Approvals

Approvals submitted

#### Approval details

EAC
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### Approvals

EAC
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### Accessories

#### Accessories

#### Cable by the meter

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



Cable ring, 12-position, PVC, black RAL 9005, free cable end, on free cable end, Cable length: 100 m

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### Electronics pliers

Diagonal cutter - MICROFOX-SP-1 - 1212487



Electronic diagonal cutter, tapered head, without chamfer, with opening spring, non-reflective phosphate-treated surface, punched version

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### Protective cap

Screw plug - PROT-M12 MS-PA-CHAIN - 1430899



M12 sealing cap with fixing band, for sensor cables, for free M12 sockets

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### Screwdriver tools

Tool - SAC BIT M12-D15 - 1208432



Nut for assembling sensor/actuator cables with M12 connector and M12 connectors for assembly, with a knurl diameter of 15 mm, for 4 mm hexagonal drive

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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

## 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

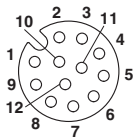
Torque screwdriver - TSD-M 1,2NM - 1212224



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

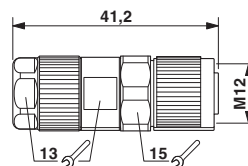
## Drawings

Schematic diagram



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

Dimensional drawing



M12 x 1 socket, straight

