



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: [info@chipsmall.com](mailto:info@chipsmall.com) Web: [www.chipsmall.com](http://www.chipsmall.com)

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



## Connector - SACC-FSX-8QO SH PN SCO - 1414587

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)




Connector, PROFINET CAT6<sub>A</sub> (10 Gbps), 8-position, halogen-free, shielded, Socket straight M12 SPEEDCON, X-coded, Insulation displacement connection, knurl material: Zinc die-cast, nickel-plated, external cable diameter 5 mm ... 9.7 mm

### Why buy this product

- ✓ 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
- ✓ Save time, thanks to installation with SPEEDCON fast locking system
- ✓ Reliable signal transmission - 360° shielding in environments with electromagnetic interference



### Key Commercial Data

Packing unit	1 STK
GTIN	 4 055626 029245
GTIN	4055626029245

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

# Connector - SACC-FSX-8QO SH PN SCO - 1414587

## Technical data

### General

Rated current at 40°C	0.5 A
Rated voltage	60 V DC
	50 V AC
Number of positions	8
Insulation resistance	≥ 100 MΩ
Coding	X - data
Standards/regulations	M12 connector IEC 61076-2-109
	Shock, vibration EN 50155:2001
Signal type/category	PROFINET CAT6 <sub>A</sub> (IEC 11801), 10 Gbps
Status display	No
Overvoltage category	II
Degree of pollution	3
Connection method	Insulation displacement connection
Conductor cross section	0.25 mm² ... 0.5 mm² (flexible)
	0.25 mm² ... 0.5 mm² (solid)
Conductor cross section AWG	24 ... 20 (flexible)
	24 ... 20 (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	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, R24, and R26 acc. to DIN EN 45545-2 (Risk level HL1 - HL3)

### Standards and Regulations

Standard designation	M12 connector
Standards/regulations	IEC 61076-2-109
Standard designation	Shock, vibration
Standards/regulations	EN 50155:2001

Connector - SACC-FSX-8QO SH PN SCO - 1414587

Technical data

Standards and Regulations

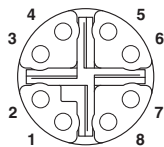
Flammability rating according to UL 94	V0
--	----

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
------------	----------------

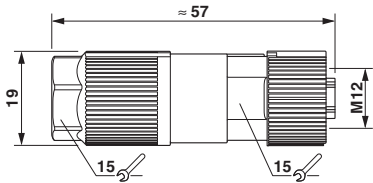
Drawings

Schematic diagram



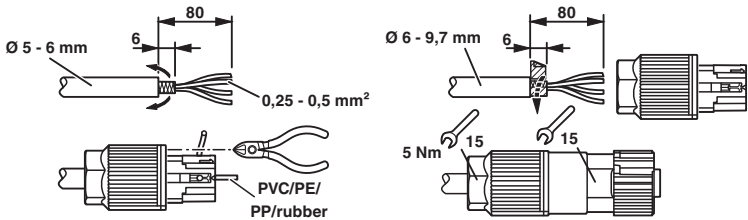
M12 socket pin assignment, 8-pos, view of socket side

Dimensional drawing



M12 x 1 socket, straight, shielded

Functional drawing



Approvals

Approvals

Approvals

EAC

Ex Approvals

Approval details

EAC		EAC-Zulassung
-----	--	---------------

Phoenix Contact 2018 © - all rights reserved  
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>