

Connector - SACC-FR-5SC M SCO - 1432596

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, 5-position, Socket angled 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



Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 348287
GTIN	4046356348287

Technical data

Dimensions

External cable diameter	4 mm ... 8 mm (3.5 mm ... 4 mm available on request)
Stripping length of the sheath	35 mm
Stripping length of the individual wire	10 mm

Ambient conditions

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

General

Rated current at 40°C	4 A
Rated voltage	60 V
Number of positions	5

Connector - SACC-FR-5SC M SCO - 1432596

Technical data

General

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	Spring-cage connection
Conductor cross section	0.14 mm² ... 0.5 mm²
Conductor cross section AWG	26 ... 20
Insertion/withdrawal cycles	≥ 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 connector pin assignment can be rotated 45° to the cable outlet
	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	TPU
Material of grip body	PA 6.6
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	NBR

Standards and Regulations

Standard designation	M12 connector
Standards/regulations	IEC 61076-2-101
Connection in acc. with standard	CUL
Flammability rating according to UL 94	V0

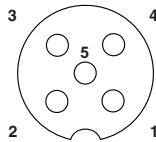
Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

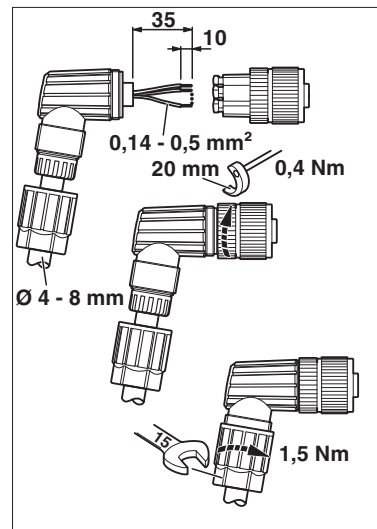
Connector - SACC-FR-5SC M SCO - 1432596

Schematic diagram



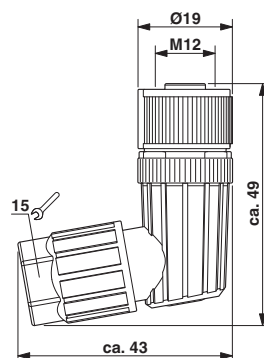
Pin assignment M12 socket, 5-pos., A-coded, socket side view

Functional drawing



Strip 28 mm off the cable, 35 mm in the case of the angled version, strip single wires, push the pressure nut onto the cable. Slide the wires through the sleeve housing and connect, screw sleeve housing to the plug insert, screw the pressure nut tight.

Dimensional drawing



M12-SPEEDCON socket, angled

Approvals

Approvals

Approvals


UL Recognized / cUL Recognized / EAC / EAC / cULus Recognized


Ex Approvals

Connector - SACC-FR-5SC M SCO - 1432596

Approvals

Approval details

UL Recognized			http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 118976		
Nominal current I _N					4 A	
Nominal voltage U _N					125 V	

cUL Recognized			http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 118976
Nominal current I _N		4 A		
Nominal voltage U _N		125 V		

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

EAC		7500651.22.01.00246
-----	---	---------------------

cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm
------------------	---	---

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>