

SACC-M 8FS-3PCON CX - Connector



1404601

<https://www.phoenixcontact.com/us/products/1404601>

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 documentation. Our general terms of use for downloads are valid.



Sensor/actuator connector, female, straight, 3-pos., M8, Piercecon®, metal knurl, cable diameter max. 5 mm

Your advantages

- Safe use in the field, thanks to a high degree of protection
- Piercecon® connection: maximum contact density in a connector that can be assembled

Commercial data

Item number	1404601
Packing unit	50 pc
Minimum order quantity	50 pc
Note	Made to order (non-returnable)
Product key	AF2BCA
GTIN	4046356703260
Weight per piece (including packing)	23.18 g
Weight per piece (excluding packing)	19.4 g
Country of origin	DE

SACC-M 8FS-3PCON CX - Connector



1404601

<https://www.phoenixcontact.com/us/products/1404601>

Technical data

Notes

Assembly note

NOTE: Observe the permissible bending radii when routing cables, since the degree of protection may be at risk if the bending forces are too high. Reduce mechanical loads upstream of the connector, e.g., by using cable ties.

Product properties

Product type	Circular connector (cable-side)
Number of positions	3
No. of cable outlets	1
Shielded	no
Coding	A
Cable outlet	straight

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Dimensions

External dimensions

Outside diameter	3 mm ... 5 mm
------------------	---------------

Material specifications

Flammability rating according to UL 94	V0
Seal material	NBR
Material of grip body	PA 6.6
Contact material	CuZn
Contact surface material	Ni/Au
Contact carrier material	PA 6.6
Material for screw connection	Brass, nickel-plated

Connection data

Conductor connection

Connection method	Piercecon® fast connection
Connection cross section	0.14 mm² ... 0.38 mm²
Connection cross section AWG	22 ... 26
Tightening torque	0.5 Nm (Pressure nut with coupling sleeve)
	0.8 Nm (Connector with coupling sleeve)
	0.2 Nm (M8 knurl)

Electrical properties

Contact resistance	≤ 3 mΩ
--------------------	--------

SACC-M 8FS-3PCON CX - Connector



1404601

<https://www.phoenixcontact.com/us/products/1404601>

Insulation resistance	$\geq 100 \text{ M}\Omega$
Nominal voltage U_N	60 V
Nominal current I_N	4 A

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 100
-----------------------------	------------

Connector

Connection 1

Head design	Socket
Head cable outlet	straight
Head thread type	M8
Coding	A

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP68
Ambient temperature (operation) (male connector/female connector)	-25 °C ... 85 °C (Plug / socket)

Standards and regulations

M8

Standard designation	M8 connector
Standards/specifications	IEC 61076-2-104

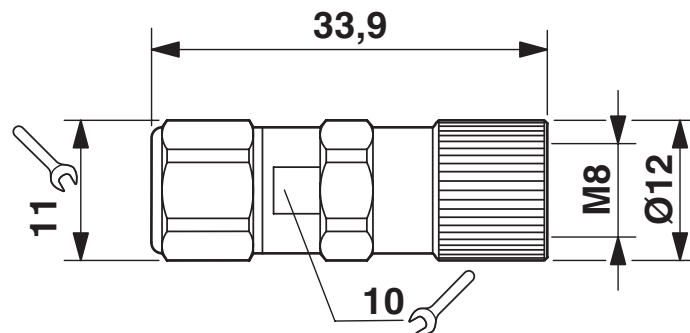
SACC-M 8FS-3PCON CX - Connector

1404601

<https://www.phoenixcontact.com/us/products/1404601>

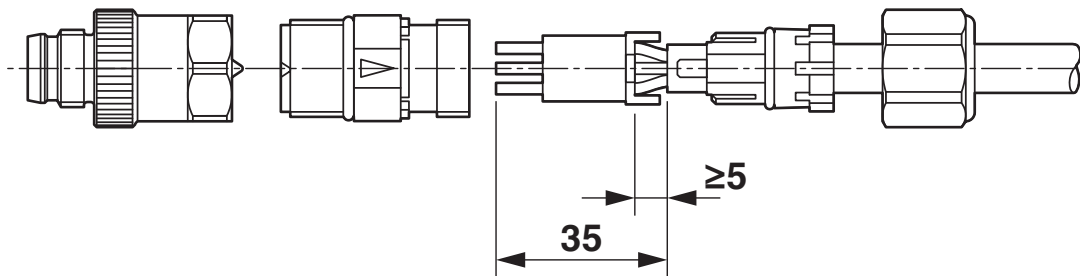
Drawings

Dimensional drawing



Socket M8 x 1, straight

Functional drawing



a = cut flush

b = coding

When assembled, the coding marks must line up.

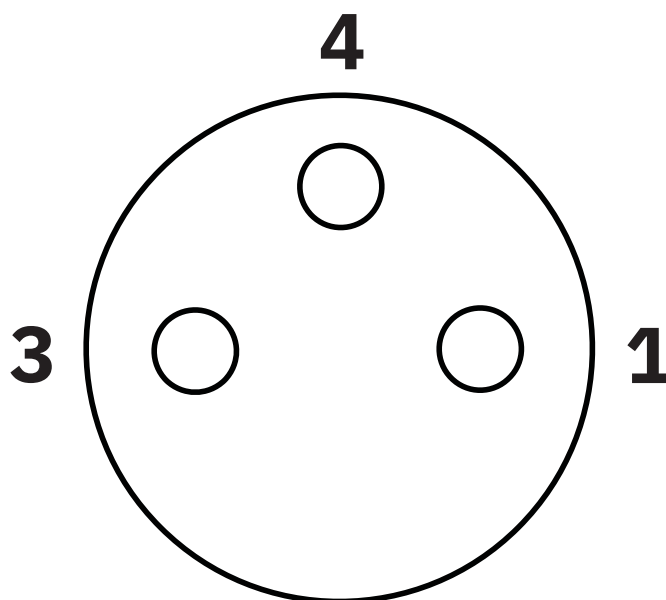
SACC-M 8FS-3PCON CX - Connector



1404601

<https://www.phoenixcontact.com/us/products/1404601>

Schematic diagram



Pin assignment M8 socket, 3-pos., view female side

SACC-M 8FS-3PCON CX - Connector



1404601

<https://www.phoenixcontact.com/us/products/1404601>

Classifications

ECLASS

ECLASS-13.0	27440116
ECLASS-15.0	27440116

ETIM

ETIM 9.0	EC002635
----------	----------

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

SACC-M 8FS-3PCON CX - Connector



1404601
<https://www.phoenixcontact.com/us/products/1404601>

Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes, No exemptions
China RoHS	
Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

Phoenix Contact 2025 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com