SACC-M 8FS-4PCON - Connector

1506781

https://www.phoenixcontact.com/pc/products/1506781

Connector, Universal, 4-position, Socket straight M8, coding: A, Piercecon[®] fast connection, knurl material: Brass, nickel-plated, external cable diameter 3 mm ... 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	1506781
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	BF2BGA
Catalog page	Page 257 (C-8-2015)
GTIN	4017918892708
Weight per piece (including packing)	19.1 g
Weight per piece (excluding packing)	19.4 g
Customs tariff number	85366990
Country of origin	DE

Technical data

Notes

|	
Assembly note	NOTE: Observe the permissible bending radii when laying conductors, since the degree of protection may be put in jeopardy if the bending forces are too high. Alleviate mechanical loads upstream of the connector, e.g. by using cable ties.

Product properties

Product type	Circular connector (cable-side)
Sensor type	Universal
Number of positions	4
No. of cable outlets	1
Shielded	no
Coding	A
Cable outlet	straight

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Dimensions
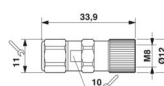
Dimensional drawing	
Length	33.9 mm
Wrench size, union nut	11 mm

External dimensions

Outside diameter	3 mm ... 5 mm

Housing

Diameter housing	12 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

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Connection data

Conductor connection

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

Pin assignment

Contact | Color (signal designation) | Contact (optional)	1 = BN
	2 = WH
	3 = BU
	4 = BK

Electrical properties

Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U_N	30 V AC
	30 V DC
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

Cable/line

Signal type/category	Universal

Environmental and real-life conditions

Ambient conditions

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

Standards and regulations

M8

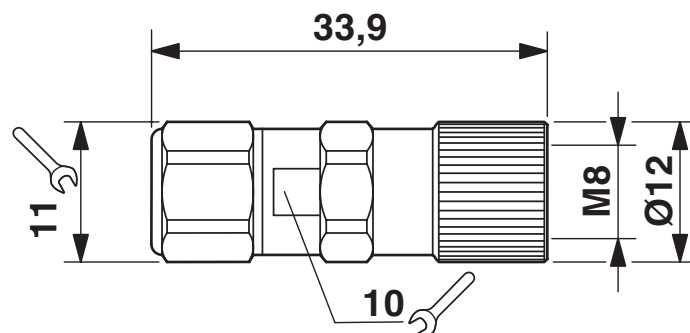| Standard designation	M8 connector
Standards/specifications	IEC 61076-2-104

Drawings

Functional drawing
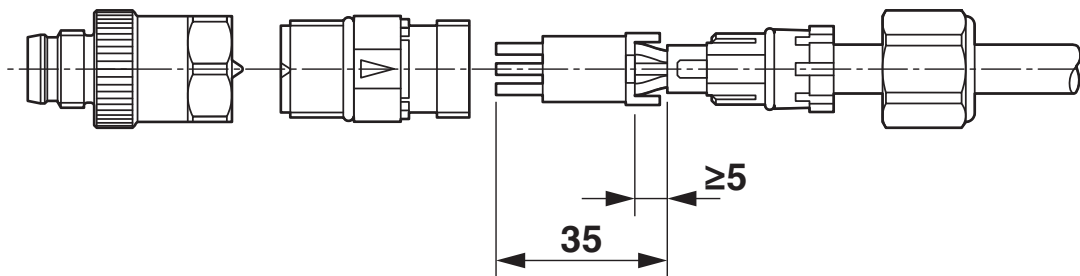
a = cut flush
b = coding
When assembled, the coding marks must line up.
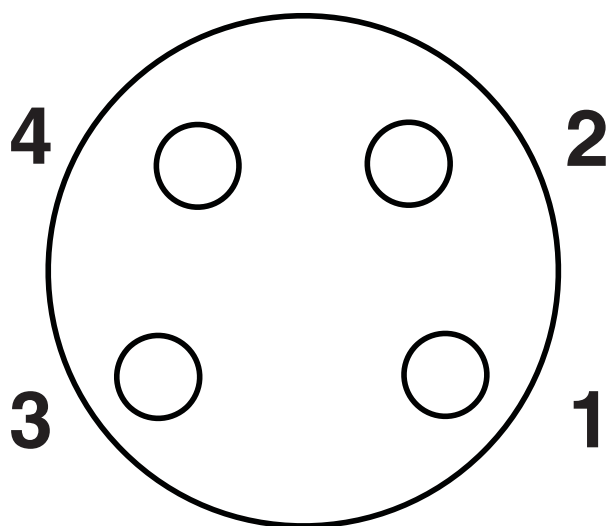
Dimensional drawing

Socket M8 x 1, straight

Schematic diagram

Pin assignment M8 socket, 4-pos., view female side

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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/pc/products/1506781

	EAC Approval ID: EAC-Zulassung

	EAC Approval ID: RU C-DE.BL08.B.00511

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Classifications

ECLASS

ECLASS-11.0	27440102
ECLASS-12.0	27440116
ECLASS-13.0	27440116

ETIM

ETIM 9.0	EC002635

UNSPSC

UNSPSC 21.0	39121400

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%