

SACC-M 8MS-4PCON - Connector



1506765

<https://www.phoenixcontact.com/us/products/1506765>

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Connector, Universal, 4-position, Plug 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	1506765
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF32
Product key	BF2BGA
Catalog page	Page 69 (PC-2011)
GTIN	4017918892685
Weight per piece (including packing)	17.4 g
Weight per piece (excluding packing)	16.4 g
Customs tariff number	85366990
Country of origin	DE

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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

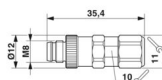
Product type	Circular connector (cable-side)
Sensor type	Universal
Number of positions	4
No. of cable outlets	1
Shielded	no
Coding	A

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Dimensions

Dimensional drawing



Length	35.4 mm
Wrench size, union nut	11 mm

External dimensions

Outside diameter	3 mm ... 5 mm
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Housing

Diameter housing	12 mm
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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

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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
	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
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Connector

Connection 1

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

Cable/line

Signal type/category	Universal
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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

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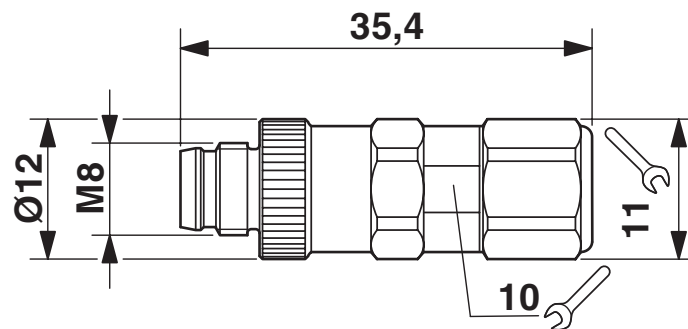
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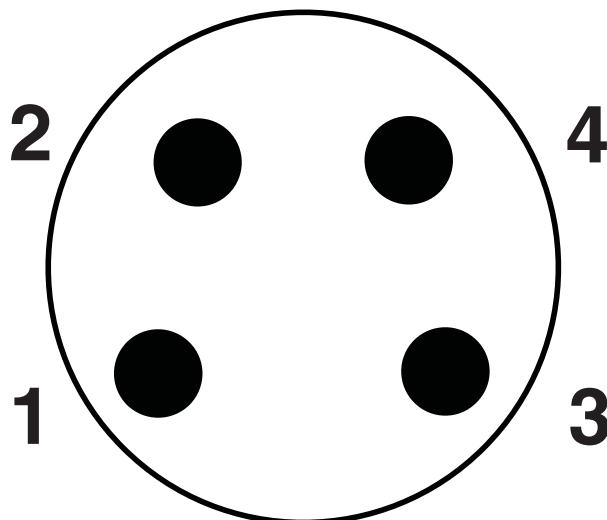
Drawings

Dimensional drawing



M8 x 1 male plug, straight version

Schematic diagram



Pin assignment M8 plug, 4-pos., view male side

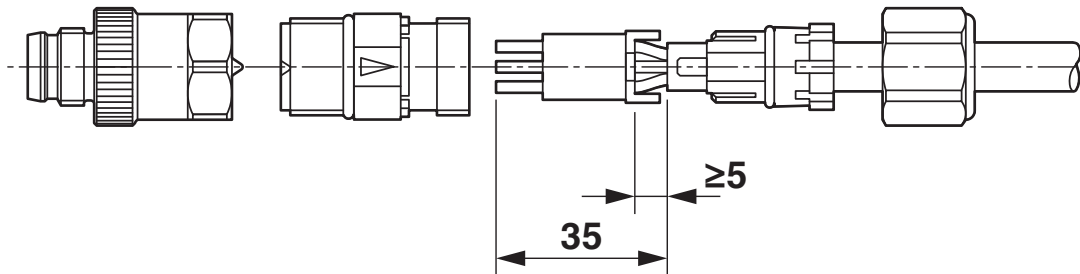
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Functional drawing



a = cut flush

b = coding

When assembled, the coding marks must line up.

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Approvals

 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1506765>



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
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UNSPSC

UNSPSC 21.0	39121400
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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%

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Accessories

PROT-M 8 FS-PA-CHAIN - Sealing cap

1430857

<https://www.phoenixcontact.com/us/products/1430857>

M8 sealing cap made of plastic with fixing band for sensor cables, for M8 plugs



SAC-4P-100,0-PUR/0,25 - Cable reel

1501692

<https://www.phoenixcontact.com/us/products/1501692>

By the meter, Cable reel, PUR halogen-free, black-gray RAL 7021, 4-wire, color single wire: brown, white, blue, black, cable length: 100 m



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SAC-4P-100,0-PUR/0,34 - Cable reel

1501663

<https://www.phoenixcontact.com/us/products/1501663>



By the meter, Cable reel, PUR halogen-free, black-gray RAL 7021, 4-wire, color single wire: brown, white, blue, black, cable length: 100 m

TSD 02 SAC - Torque screwdriver

1208487

<https://www.phoenixcontact.com/us/products/1208487>



Torque screwdriver, with preset torque of 0.2 Nm and 4 mm hexagonal drive for M8 connectors

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SACC BIT M8-D12 - Tool

1208474

<https://www.phoenixcontact.com/us/products/1208474>



Nut for assembling M8 connectors with longitudinal knurl and a knurl diameter of 12 mm, for 4 mm hexagonal drive

TSD-M 1,2NM - Torque screwdriver

1212224

<https://www.phoenixcontact.com/us/products/1212224>



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

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TSD-M SAC-BIT ADAPTER - Adapter insert

1212600

<https://www.phoenixcontact.com/us/products/1212600>



Adapter bit for TSD-M...torque tools, E6.3-1/4" drive with 4 mm hexagon to accommodate SAC bits

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