

1513444

https://www.phoenixcontact.com/us/products/1513444

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Connector, Universal, 4-position, Socket angled M8, coding: A, Solder connection, knurl material: Brass, nickel-plated, external cable diameter 3.5 mm ... 5 mm

# Your advantages

· Safe use in the field, thanks to a high degree of protection

# Commercial data

Item number	1513444
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF35
Product key	BF2BIA
Catalog page	Page 18 (C-2-2019)
GTIN	4017918911577
Weight per piece (including packing)	9.57 g
Weight per piece (excluding packing)	9 g
Customs tariff number	85366990
Country of origin	DE



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# Technical data

#### Notes

General	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.
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# Mounting

Assembly instructions	The connector pin assignment can be rotated 90° to the cable
	outlet

# 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	angled

## Insulation characteristics

Overvoltage category	II
Degree of pollution	3

## **Dimensions**

Dimensional drawing	012 MM MM MM MM MM MM MM NM NM NM NM NM NM
Length	28 mm
External dimensions	
Outside diameter	3.5 mm 5 mm
Housing	
Diameter housing	12 mm

# Material specifications

Flammability rating according to UL 94	НВ
Seal material	NBR
Material of grip body	PBT
Contact material	CuZn
Contact surface material	Au



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Contact carrier material	PA
Material for screw connection	Brass, nickel-plated

## Connection data

#### Conductor connection

Connection method	Solder connection
Connection cross section	0.08 mm² 0.25 mm² (flexible)
	0.08 mm <sup>2</sup> 0.25 mm <sup>2</sup> (solid)
Connection cross section AWG	28 24 (flexible)
	28 24 (solid)
Stripping length of the individual wire	3 mm
Tightening torque	0.2 Nm (M8 knurl)

# Electrical properties

Rated surge voltage	0.8 kV
Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U <sub>N</sub>	30 V AC
	30 V DC
Nominal current I <sub>N</sub>	4 A

## Mechanical properties

#### Mechanical data

land and in a facility of an analysis	> 400
Insertion/withdrawal cycles	≥ 100

## Connector

#### Connection 1

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

#### Cable/line

Signal type/category	Universal
Stripping length of the individual wire	3 mm

#### Environmental and real-life conditions

#### Ambient conditions

Degree of protection	IP67
Ambient temperature (operation)	-40 °C 85 °C

# Standards and regulations



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#### M8

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



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# Classifications

UNSPSC 21.0

## **ECLASS**

ECLASS-1	1.0	27440102
ECLASS-1	2.0	27440116
ECLASS-1	3.0	27440116
ETIM		
ETIM 9.0		EC002635
UNSPSC		

39121400



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# Environmental product compliance

REACh SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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