

1408992

https://www.phoenixcontact.com/us/products/1408992

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Power connector, 5-position, Plug angled M12, coding: A, Screw connection, knurl material: Zinc die-cast, nickel-plated, cable gland Pg11, external cable diameter 8 mm ... 10 mm



Your advantages

- Safe use in the field, thanks to a high degree of protection
- · Screw connection: proven connection technology for a large selection of different conductors

Commercial data

Item number	1408992
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF30
Product key	BF2CAA
Catalog page	Page 22 (C-2-2019)
GTIN	4046356885126
Weight per piece (including packing)	27.15 g
Weight per piece (excluding packing)	27.15 g
Customs tariff number	85366990
Country of origin	DE



1408992

https://www.phoenixcontact.com/us/products/1408992

Technical data

Notes

General	Strip 22 mm off the cable sheath, shorten conductor for the fifth position by 10 mm. Strip 7 mm off the conductor insulation, crimp the ferrule, then shorten this to 5 mm. Length of conductors with shortened ferrule: 20 mm. Connect conductors and tighten the mounting screws with 0.2 Nm.
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.

Mounting

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

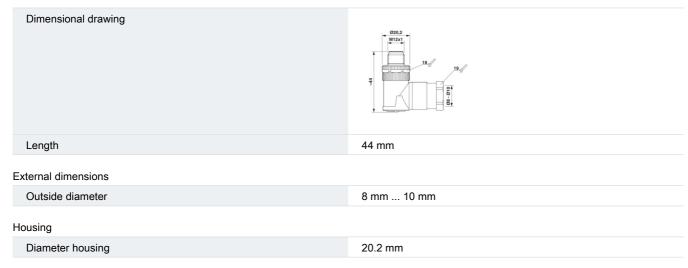
Product properties

Product type	Circular connector (cable-side)
Number of positions	5
Application	Power supply
No. of cable outlets	1
Shielded	no
Coding	A
Cable outlet	angled
Pg screw connection	Pg11

Insulation characteristics

insulation characteristics		
	Overvoltage category	II
	Degree of pollution	3

Dimensions



Material specifications



1408992

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

Connection data

Conductor connection

Connection method	Screw connection
Connection cross section	0.75 mm² 1.5 mm² (without ferrule)
	0.75 mm ² 1.5 mm ² (with ferrule)
	0.75 mm² 1.5 mm² (solid)
Connection cross section AWG Stripping length of the individual wire	18 16 (without ferrule)
	16 18 (with ferrule)
	5 mm
Tightening torque	0.4 Nm (M12 knurl)
	1.5 Nm 2 Nm (Pressure screw with sleeve housing)
	0.4 Nm (Screw plug insert with sleeve housing as far it will go)
	0.2 Nm (Screw terminal blocks)

Electrical properties

Rated surge voltage	1.5 kV
Contact resistance	≤ 3 mΩ
Insulation resistance	> 10 GΩ
Nominal voltage U _N	48 V AC
	60 V DC
Nominal current I_N	8 A (Contact 5: 2 A)
	when using 1.5 mm² conductors

Mechanical properties

Mec	han	ical	data

Land Carl Challes also also	. 400
Insertion/withdrawal cycles	> 100

Connector

Connection 1

Head design	Plug
Head cable outlet	angled
Head thread type	M12
Coding	A

Cable/line



1408992

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	Stripping length of the individual wire	5 mm		
Environmental and real-life conditions				
Ambient conditions				
	Degree of protection	IP67		
	Ambient temperature (operation)	-40 °C 85 °C (Plug / socket)		
Standards and regulations				
	Standard designation	M12 connector		
	Standards/specifications	IEC 61076-2-101		



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Classifications

ECLASS

UNSPSC 21.0

	ECLASS-11.0	27440102
	ECLASS-12.0	27440116
	ECLASS-13.0	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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