

1553174

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Connector, Universal, 4-position, Plug straight M12, coding: A, Screw connection, knurl material: Stainless steel 1.4404, cable gland Pg9, external cable diameter 6 mm ... 8 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	1553174
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF30
Product key	AF2CAA
GTIN	4046356170109
Weight per piece (including packing)	23.54 g
Weight per piece (excluding packing)	23.54 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 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.
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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
Pg screw connection	Pg9
Insulation characteristics	
Overvoltage category	II
Degree of pollution	3

Dimensions

Dimensional drawing	60
Length	60 mm
External dimensions	
Outside diameter	6 mm 8 mm
Housing	
Diameter housing	20 mm

Material specifications

Seal material	NBR
Material of grip body	PA
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA
Material for screw connection	Stainless steel 1.4404

Connection data



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Conductor connection

Connection method	Screw connection
Connection cross section	0.25 mm ² 0.75 mm ² (without ferrule)
	0.14 mm ² 0.75 mm ² (with ferrule)
	0.25 mm ² 0.75 mm ² (solid)
Connection cross section AWG	24 18 (without ferrule)
	26 20 (with ferrule)
Tightening torque	0.8 Nm 1 Nm (Pressure screw)
	0.2 Nm (Screw terminal blocks)

Electrical properties

Rated surge voltage	2.5 kV
Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U_N	250 V AC
	250 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	M12
Coding	A

Cable/line

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65
	IP67
	IP69K
Ambient temperature (operation) (male connector/female connector)	-40 °C 85 °C

Standards and regulations

Standard designation	M12 connector
Standards/specifications	IEC 61076-2-101

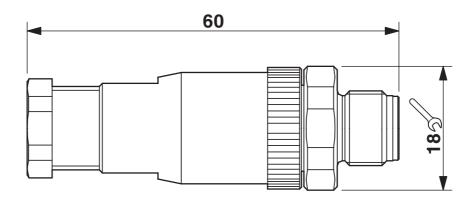


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Drawings

Dimensional drawing



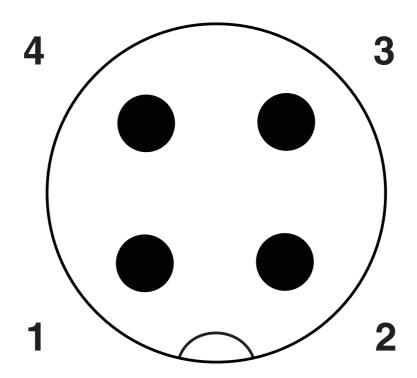
Plug, M12 x 1, straight



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Schematic diagram



Pin assignment M12 plug, 4-pos., A-coded, view plug side



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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1553174

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	Nominal volta	ge U _N Nominal current I _N	Cross section AWG	Cross section mm ²	
keine					
	250 V	4 A	-	-	

7.	UL Recognized Approval ID: FILE E 221474	Recognized oval ID: FILE E 221474			
	No	ominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
keine					
	250	0 V	4 A	-	-



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Classifications

UNSPSC 21.0

ECLASS

	ECLASS-13.0	27440116	
	ECLASS-15.0	27440116	
ETIM			
	ETIM 9.0	EC002635	
UNSPSC			

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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)
China RoHS	
Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
EU REACH SVHC	
REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	d9b830a0-56f0-4d92-8d30-3894d7c15234
EF3.0 Climate Change	
CO2e kg	0.911 kg CO2e

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