

1553459

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Device connector rear mounting, Universal, 4-position, Pin, straight, M12-SPEEDCON, A-coding, Wave soldering, this item is expected to be lead-free from Q2 2026 in accordance with RoHS II without exception 6c (Pb < 0.1%), a lead-free alternative is possible on request in advance

Your advantages

- Easy PCB assembly: one-piece connectors for wave soldering
- · All standard pin assignments and codings for signal, data, and power transmission with a uniform design-in design
- · SPEEDCON fast locking system reduces cabling times

Commercial data

Item number	1553459
Packing unit	20 pc
Minimum order quantity	1 pc
Sales key	AB26
Product key	ABQEGL
GTIN	4046356156264
Weight per piece (including packing)	13.146 g
Weight per piece (excluding packing)	11.716 g
Customs tariff number	85366990
Country of origin	DE



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Technical data

Notes

Notes on operation	The electrical and mechanical data specified assume that the connector pair is correctly locked and mounted. If the connector is unlocked and if there is a danger of contamination, the connector must be sealed using a protective cap > IP54. Influences arising from litz wires, cables or PCB assembly must also be taken into consideration.
Order information:	Lock nut is included in the scope of delivery

Mounting

Mounting type	Rear mounting (Pg9, with flat nut)
Tightening torque	2 Nm 3 Nm (Installation-side)

Product properties

Product type	Circular connectors (device side)
Application	Signal
Sensor type	Universal
Number of positions	4
Shielded	no
Coding	A
Thread type	M12

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Dimensions

Length of the solder pin	6 mm
	6 mm

Material specifications

Material Housing	GD-Zn
Material Housing surface	Ni
Material Insulating body	PA 6.6
Material Contact	CuZn
Material Seal	FKM
Flammability rating according to UL 94	V0

Electrical properties

Rated surge voltage	2.5 kV
Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ



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Nominal voltage U _N	250 V
Nominal current I _N	4 A

Connection data

Conductor connection

Connection method	Wave soldering
Contact connection type	Pin
Tightening torque	2 Nm 3 Nm (Installation-side)

Mechanical properties

Mechanical data

Wedianical data		
	Insertion/withdrawal cycles	> 100

Connector

Connection 1

Head design	Pin
Head cable outlet	straight
Head thread type	M12
Head locking type	SPEEDCON
Coding	A

Cable/line

Signal type/category Universal

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67 (When plugged in)
	IP65 (When plugged in)
Ambient temperature (operation) (male connector/female	-25 °C 85 °C (Plug / socket)
connector)	-40 °C 85 °C (without mechanical actuation)
UL Type Rating	Type 4 (indoor use only)

Standards and regulations

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

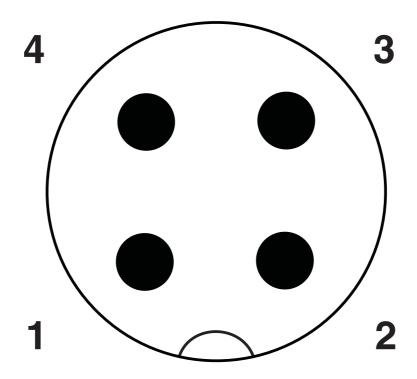


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Drawings

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/1553459

71	UL Recognized Approval ID: E118976-20100522				
		Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
keine					
		250 V	4 A	22	-

c 911 us	cULus Recognized Approval ID: E221474-20140616				
		Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
keine					
		250 V	4 A	-	-



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Classifications

ECLASS

	ECLASS-13.0	27440110
	ECLASS-15.0	27440110
ET	'IM	
	ETIM 9.0	EC003568
LIN	ISPSC	
Oiv		

UNSPSC 21.0 39121400



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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	be3ed281-b61a-4ce4-9bae-0b5c08ff1813

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