

1441765

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Device connector rear mounting, 5-position, Pin, straight, M12-SPEEDCON, A-coding, Wave soldering, this item is expected to be lead-free from Q1 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	1441765
Packing unit	20 pc
Minimum order quantity	20 pc
Sales key	AB26
Product key	ABQEGJ
GTIN	4046356533966
Weight per piece (including packing)	14.36 g
Weight per piece (excluding packing)	13.15 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 (M16 x 1.5, with flat nut)	
Tightening torque	3 Nm 4 Nm (Installation-side)	

### Product properties

Product type	Circular connectors (device side)
Number of positions	5
Shielded	no
Coding	A
Thread type	M12
Insulation characteristics	
O	II.

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 Contact surface	Au
Material Seal	NBR
Flammability rating according to UL 94	V0

### Electrical properties

Rated surge voltage	1.5 kV
Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U <sub>N</sub>	60 V



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Standards/specifications

Nominal current I <sub>N</sub>	4 A			
Connection data				
Conductor connection				
Connection method Wave soldering				
Contact connection type	Pin			
Tightening torque	3 Nm 4 Nm (Installation-side)			
Mechanical properties				
Mechanical 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			
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			

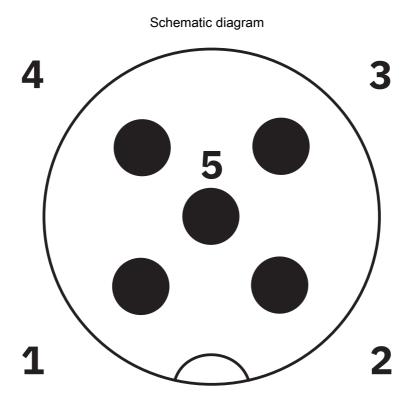
according to IEC 61076-2-101



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### Drawings



Pin assignment M12 male connector, 5-pos., A-coded, male side



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### Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1441765

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		Nominal voltage U <sub>N</sub>	Nominal current I <sub>N</sub>	Cross section AWG	Cross section mm <sup>2</sup>
keine					
		60 V	4 A	22	-

<b>7.1</b>	UL Recognized Approval ID: E118976-2	0100522			
		Nominal voltage U <sub>N</sub>	Nominal current I <sub>N</sub>	Cross section AWG	Cross section mm <sup>2</sup>
keine					
		60 V	4 A	22	-

e <b>911</b> us	cULus Recognized Approval ID: E221474-20140616				
		Nominal voltage U <sub>N</sub>	Nominal current I <sub>N</sub>	Cross section AWG	Cross section mm <sup>2</sup>
keine					
		60 V	4 A	22 - 20	-



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### Classifications

### **ECLASS**

	ECLASS-13.0	27440110	
	ECLASS-15.0	27440110	
ETIM			
	ETIM 9.0	EC003568	
UN	ISPSC		

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	ce633897-67dd-4c5a-b0a6-3dc33ca761a3

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