

1559974

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Device connector rear mounting, 17-position, Pin, straight, M12-SPEEDCON, coding: A, Rear mounting, M12 x 1, Solder pins, this item is undergoing a smooth changeover, lead-free alternative in accordance with RoHS II without exception 6c (Pb < 0.1%) 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	1559974
Packing unit	20 pc
Minimum order quantity	1 pc
Sales key	AB26
Product key	ABQEGI
Catalog page	Page 248 (C-2-2013)
GTIN	4046356322683
Weight per piece (including packing)	10.065 g
Weight per piece (excluding packing)	8.824 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	
General	Contact connection method: Crimp connection	

### Mounting

Mounting type	Rear mounting M12 x 1 With flat nut
Assembly note	With flat nut

### Product properties

Product type	Circular connectors (device side)	
Number of positions	17	
Shielded	no	
Coding	A	
Thread type	M12	
Insulation characteristics		

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#### **Dimensions**

Length of the solder pin	6 mm
	6 mm

### Material specifications

Overvoltage category

Degree of pollution

Flammability rating according to UL 94	V0
Seal material	NBR
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 6.6
Material for screw connection	Zinc die-cast, nickel-plated

### Electrical properties

Rated surge voltage	0.8 kV
Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U <sub>N</sub>	30 V



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Nominal current I <sub>N</sub>	1.5 A
	1.67
connection data	
Conductor connection	
Connection method	Solder pins
Contact connection type	Pin
Tightening torque	3 Nm 4 Nm (Installation-side)
lechanical 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
able/line	
Ambient temperature (operation)	-40 °C 85 °C (cable, fixed installation)
	-25 °C 85 °C (Cable, flexible installation)
nvironmental and real-life conditions	
Ambient conditions	
Degree of protection	IP67 (When plugged in)
	IP65 (When plugged in)
	IP65/IP67
Ambient temperature (operation)	-25 °C 85 °C (Plug / socket)
ranbioni temperatare (operation)	-40 °C 85 °C (without mechanical actuation)
, and on temperature (operation)	is a mass of the second
, and temperature (operation)	-25 °C 85 °C (Cable, flexible installation)

M12 circular connector

according to IEC 61076-2-101

Standard designation

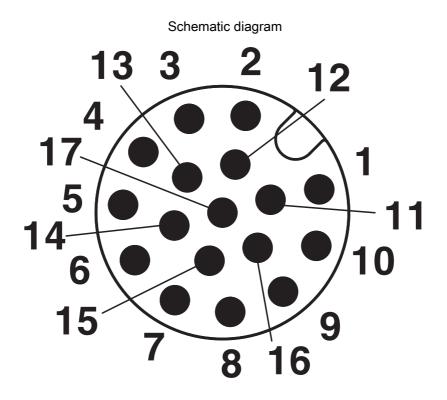
Standards/specifications



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### Drawings



Pin assignment M12 male connector, 17-pos., male side view



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### Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1559974

c <b>911</b> us	cULus Recognized Approval ID: E221474-20140616				
		Nominal voltage $\mathbf{U}_{\mathbf{N}}$	Nominal current I <sub>N</sub>	Cross section AWG	Cross section mm <sup>2</sup>
		30 V	1.5 A	26	-

UL Recognized Approval ID: E118976-20100522					
		Nominal voltage U <sub>N</sub>	Nominal current I <sub>N</sub>	Cross section AWG	Cross section mm <sup>2</sup>
		30 V	1.5 A	26	-



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### Classifications

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	ECLASS-13.0	27440110			
E	ГІМ				
	ETIM 9.0	EC003568			
UNSPSC					
	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	8b913133-2ac7-4c90-b90c-b56ff46bab14

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