

1542761

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Device connector rear mounting, 5-position, Socket, straight, M12-SPEEDCON, coding: A, Rear mounting, Pg9, Solder pins, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1237395

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	1542761
Packing unit	20 pc
Minimum order quantity	20 pc
Product key	ABQEHL
Catalog page	Page 188 (C-2-2013)
GTIN	4046356097772
Weight per piece (including packing)	13.66 g
Weight per piece (excluding packing)	13.66 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
Assembly note	With flat nut

Product properties

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

Dimensions

Length of the solder pin	6 mm
	6 mm

3

Material specifications

Degree of pollution

Flammability rating according to UL 94	V0
Seal material	FKM
	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	1.5 kV
Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U _N	60 V



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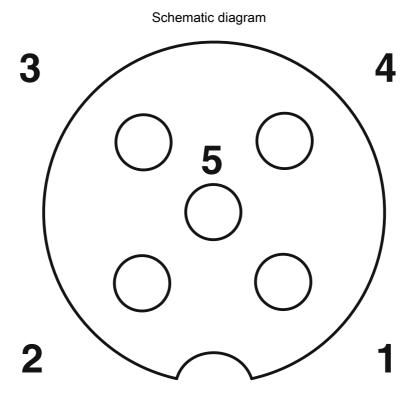
Connection data Conductor connection Connection method Solder pins Contact connection type Socket Tightening torque 2 Nm 3 Nm (Installation-side) Mechanical properties Mechanical data Insertion/withdrawal cycles > 100 Connector Connector Connector Connection 1 Head design Socket Head cable outlet straight Head thread type M12 Head thread type SPEEDCON Coding A Environmental and real-life conditions Ambient conditions Ambient conditions Degree of protection Protect	Nominal current I _N	4 A
Conductor connection Connection method Contact connection type Tightening torque Mechanical properties Mechanical data Insertion/withdrawal cycles Connector Connector Connector Connection 1 Head design Head cable outlet Head thread type Head locking type Coding A Environmental and real-life conditions Ambient conditions Degree of protection Degree of protection IP65 (When plugged in) IP65 (When plugged in) IP65 (Plug / socket) -40 °C 85 °C (Plug / socket) -40 °C 85 °C (without mechanical actuation) M12 Standards and regulations M12 Standards designation M12 Standard designation M12 Standard designation M12 connector		
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Standards and regulations M12 Standard designation M12 connector	Ambient temperature (operation)	-25 °C 85 °C (Plug / socket)
M12 Standard designation M12 connector		-40 °C 85 °C (without mechanical actuation)
M12 Standard designation M12 connector	Standards and regulations	
Standard designation M12 connector		
Standards/specifications IEC 61076-2-101	Standard designation	M12 connector
	Standards/specifications	IEC 61076-2-101



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Drawings



Pin assignment M12 socket, 5-pos., A-coded, socket side view



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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/pc/products/1542761

CULus Recognized Approval ID: E221474-20140616				
	Nominal voltage U_N	Nominal current I _N	Cross section AWG	Cross section mm ²
	60 V	4 A	-	-

SUL Recognized Approval ID: E118976-20100522					
		Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
		60 V	4 A	22 - 22	-



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Classifications

UNSPSC 21.0

ECLASS

	ECLASS-11.0	27440102
	ECLASS-12.0	27440116
	ECLASS-13.0	27440116
ETIN	M	
	ETIM 9.0	EC002635
UNS	SPSC	

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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	30ad4c24-5d1d-4f34-a1e0-b1e90fedf626

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