

1554746

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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

Commercial data

Item number	1554746
Packing unit	20 pc
Minimum order quantity	1 pc
Sales key	AB26
Product key	ABQEOL
GTIN	4046356170413
Weight per piece (including packing)	15.685 g
Weight per piece (excluding packing)	14.3 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 locking 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				
Overvoltage category	II II			

Dimensions

Length of the solder pin	6 mm
	6 mm

3

Material specifications

Degree of pollution

Material Housing	Steel
Material Insulating body	PA 6.6
Material Contact	CuZn
Material Seal	FKM
Flammability rating according to UL 94	V0
Seal material	FKM

Electrical properties

Rated surge voltage	1.5 kV
Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U _N	60 V
Nominal current I _N	4 A



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Standards and regulations
Standard designation

Standards/specifications

Test voltage	1.5 kV	
Connection data		
Conductor connection		
Connection method	Wave soldering	
Contact connection type	Pin	
Tightening torque	3 Nm 4 Nm (Installation-side)	
Mechanical properties		
iconamical properties		
Mechanical data		
Insertion/withdrawal cycles	> 100	
Connection 1		
Head design	Pin	
Head cable outlet	straight	
Head thread type	M12	
Head locking type	Standard	
Coding	A	
nvironmental and real-life conditions		
invironmental and real-life conditions		
Ambient conditions		
Degree of protection	IP65/IP67/IP69/IP69K	
	IP65/IP67/IP69K	
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)	

M12 circular connector

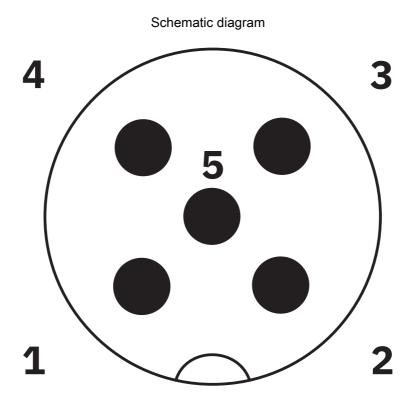
according to IEC 61076-2-101



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Drawings



Pin assignment M12 plug, 8-pos., view plug side



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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1554746

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

7.	UL Recognized Approval ID: E118976-20100522				
	Nomi	inal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
keine					
	60 V		4 A	22	-

c 91 0s	CULus Recognized Approval ID: E221474-20140616				
		Nominal voltage U_N	Nominal current I _N	Cross section AWG	Cross section mm ²
keine					
		60 V	4 A	-	-



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Classifications

ECLASS

	ECLASS-13.0	27440110
	ECLASS-15.0	27440110
ΕI	ГІМ	
	ETIM 9.0	EC003568
LIN	NSPSC	
O.	1 01 00	
	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	02dae83b-6b32-4199-a758-56e7c6573d95

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