

1411943

https://www.phoenixcontact.com/us/products/1411943

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Contact carrier, 5-position, Pin, straight, M12, A-coding, SMD reflow, this item is expected to be lead-free from Q1 2027 in accordance with RoHS II without exception 6c (Pb < 0.1%), a lead-free alternative is possible on request in advance

Your advantages

- · Reduced mounting costs thanks to two-piece device connector
- · Packaging available for automated pick and place assembly
- · All common pin assignments and codings available
- Easy device integration thanks to mechanical port screw connections with threaded attachment, press-in contour or direct integration in the front plate
- Additional gasket for the device when not plugged in

Commercial data

Item number	1411943
Packing unit	60 pc
Minimum order quantity	60 pc
Sales key	AB23
Product key	ABQBGM
GTIN	4046356990745
Weight per piece (including packing)	4.05 g
Weight per piece (excluding packing)	3.369 g
Customs tariff number	85366990
Country of origin	DE



1411943

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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.

Product properties

Product type	Contact insert
Application	Signal
Number of positions	5
Seal present	yes
Shielded	no
Coding	A
Thread type	M12
Inculation observatoristics	

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

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

Connection data

	Con	nection method	SMD reflow
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Material specifications

Material Insulating body	PA
Material Contact	CuZn
Material Contact surface	Au
Flammability rating according to UL 94	V0
Seal material	FKM

Connector

Connection 1

Head design	Pin
Head cable outlet	straight
Head thread type	M12



1411943

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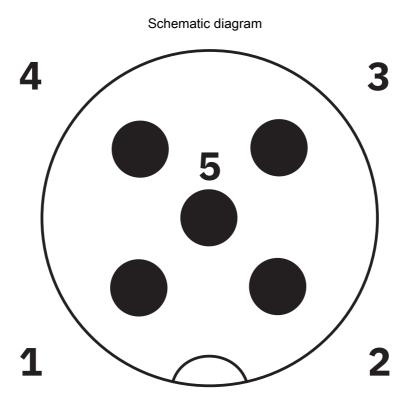
Coding	A	
Mechanical properties		
Mechanical data		
Insertion/withdrawal cycles	> 100	
Environmental and real-life conditions Ambient conditions		
Degree of protection (when plugged in)	IP67 (correctly plugged in and locked)	
Degree of protection	IP67 (correctly plugged in and locked)	
Ambient temperature (operation) (male connector/female	-40 °C 105 °C (Plug / socket)	
connector)	-55 °C 105 °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	
Packaging specifications		
Type of packaging	Tray	
Delivery state	with assembly pad	



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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/1411943

e 911 us	cULus Recognized Approval ID: E221474-20160506				
		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
ET	IM	
	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	1e4b0025-040a-4e5a-bec2-b04c8d4d2b7e

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