

1027669

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Device connector rear mounting, 5-position, Socket, straight, M12-Push-pull external locking, Accoding, 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

- · Established M12 standard for secure transmission of signals, data, and power
- · Easy and quick cabling of devices and systems in hard-to-reach areas
- Manufacturer-independent M12 push-pull locking system for maximum availability
- · Reliable shield connection even under extreme mechanical strain
- Compatible with connectors with screw or push-in connection

Commercial data

Item number	1027669
Packing unit	12 pc
Minimum order quantity	12 pc
Note	Made to order (non-returnable)
Sales key	AB26
Product key	ABQEDJ
GTIN	4055626533391
Weight per piece (including packing)	26.09 g
Weight per piece (excluding packing)	18.209 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	Push-pull external locking

Mounting

Mounting type	Rear mounting (M16 x 1.5, 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

Material Housing	CuZn
Material Housing surface	Ni
Material Insulating body	PA 6.6
Material Contact	CuZn
Material Contact surface	Au
Material Seal	NBR/FKM
Flammability rating according to UL 94	V0

Electrical properties

Rated surge voltage	1.5 kV
Nominal voltage U _N	60 V
Nominal current I _N	4 A

Connection data



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Conductor connection

Connection method	Wave soldering
Contact connection type	Socket

Mechanical properties

Mechanical data

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	Insertion/withdrawal cycles	> 100

Connector

Connection 1

Head design	Socket
Head cable outlet	straight
Head thread type	M12
Head locking type	Push-pull external locking
Coding	A

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65 (When plugged in)
	IP67 (When plugged in)
	IP65/IP67
Ambient temperature (operation) (male connector/female connector)	-25 °C 85 °C (Plug / socket)

Standards and regulations

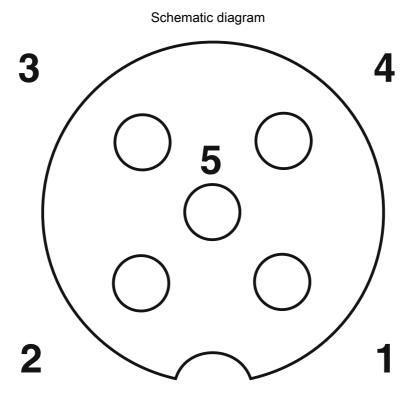
Standard designation	M12 circular connector
Standards/specifications	based on IEC 61076-2-010
Note	Push-pull (type 2)



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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/us/products/1027669

e 911 us	cULus Recogniz Approval ID: E221474	gnized 1474-20140616			
		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		
ETIM				
	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	9e4d4415-129f-45b8-b3a6-06d6a4e74527

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