

1027669

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Device connector rear mounting, 5-position, Socket, straight, M12-Push-pull external locking, coding: A, Rear mounting, M16, Wave soldering, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1238100

## 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)	22.22 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 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
Data management status	

#### Data management status

Article revision	07
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### Insulation characteristics

Overvoltage category	II
Degree of pollution	3

### **Dimensions**

Length of the solder pin	6 mm
	6 mm

### Material specifications

Material	Brass, nickel-plated
Flammability rating according to UL 94	V0
Seal material	NBR/FKM
Material of grip body	Brass, nickel-plated
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 6.6
Material for screw connection	Brass, nickel-plated

## Electrical properties



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Rated surge voltage	1.5 kV
Nominal voltage U <sub>N</sub>	60 V
Nominal current I <sub>N</sub>	4 A

## Connection data

#### Conductor connection

Connection method	Wave soldering
Contact connection type	Socket

## Mechanical properties

#### Mechanical data

Mechanical data		
	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	IP67
	IP65/IP67
Ambient temperature (operation)	-25 °C 85 °C (Plug / socket)

## Standards and regulations

#### M12

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



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## Approvals

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c <b>911</b> us	cULus Recognized Approval ID: E221474-20140616				
		Nominal voltage U <sub>N</sub>	Nominal current I <sub>N</sub>	Cross section AWG	Cross section mm <sup>2</sup>
		60 V	4 A	-	-



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## Classifications

### **ECLASS**

	ECLASS-11.0	27440102		
	ECLASS-12.0	27440116		
	ECLASS-13.0	27440116		
ΕT	TIM			
	ETIM 9.0	EC002635		
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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