

1108002

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Sensor/actuator panel-mount connector, 4-pos., M12 push-pull, rear/screw mounting with M16 thread, with 0.50 m litz wire, $4 \times 0.34 \text{ mm}^2$

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

Commercial data

Item number	1108002
Packing unit	20 pc
Minimum order quantity	20 pc
Sales key	ABQCAA
Product key	ABQECJ
GTIN	4063151011482
Weight per piece (including packing)	17.29 g
Weight per piece (excluding packing)	15.865 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 M16 x 1.5 With flat nut
Assembly note	With flat nut

Product properties

Circular connectors (device side)
Universal
4
no
A
M12

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Dimensions

Length of the solder pin	6 mm
	6 mm

Material specifications

Material (Housing)	CuZn/Ni
Flammability rating according to UL 94	V0
Seal material	NBR/FKM
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 6.6

Electrical properties

Rated surge voltage	2.5 kV
Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U _N	250 V



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Nominal current I _N	4 A
Connection data	
Conductor connection	
Connection method	Wave soldering
Contact connection type	Pin
Tightening torque	3 Nm 4 Nm (Installation-side)
Mechanical properties	
Mechanical data	
Insertion/withdrawal cycles	> 100
Connector	
Connection 1	
Head design	Pin
Head cable outlet	straight
Head thread type	M12
Head locking type	Push-pull external locking
Coding	A
Cable/line	
Signal type/category	Universal
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	
Standard designation	M12 circular connector
Standards/specifications	based on IEC 61076-2-010
Note	Push-pull
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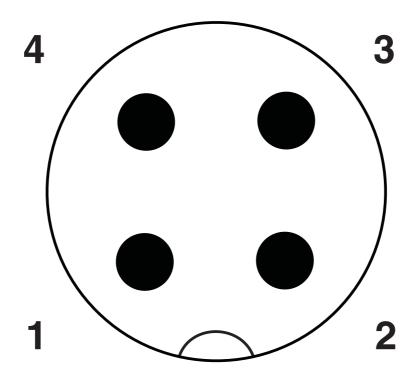


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Drawings

Schematic diagram



Pin assignment M12 plug, 4-pos., A-coded, view plug side



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Approvals

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c 911 us	cULus Recognized Approval ID: E221474-20140616				
		Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
		250 V	4 A	-	-



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Classifications

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	ECLASS-13.0	27440110		
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	ETIM 9.0	EC003569		
UNSPSC				
	UNSPSC 21.0	39121400		



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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
China RoHS	
Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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