

1027696

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Device connector rear mounting, 4-position, Socket, straight, M12-Push-pull external locking, coding: D, Rear mounting, M16 x 1.5, Wave soldering, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1238102

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	1027696
Packing unit	12 pc
Minimum order quantity	12 pc
Sales key	AB26
Product key	ABQEDJ
GTIN	4055626534015
Weight per piece (including packing)	24.54 g
Weight per piece (excluding packing)	24.54 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
Assembly note	With flat nut

Product properties

Circular connectors (device side)
Data
Signal
4
yes
D
M12

Data management status

Article revision	07
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



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Electrical properties

Rated surge voltage	1.5 kV
Nominal voltage U _N	250 V
Nominal current I _N	4 A

Connection data

Conductor connection

Connection method	Wave soldering
Contact connection type	Socket
Tightening torque	3 Nm 4 Nm (Installation-side)

Mechanical properties

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	D

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67	
	IP65/IP67	
Ambient temperature (operation)	-25 °C 85 °C (Plug / socket)	
	-40 °C 85 °C (without mechanical actuation)	

Standards and regulations

M12

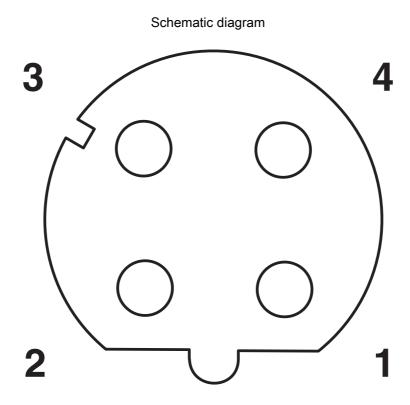
Standard designation	M12 connector	
Standards/specifications	IEC 61076-2-010	
Note	Push-pull (type 2)	



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Drawings



Pin assignment M12 socket, 4-pos., D-coded, female 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

UNSPSC 21.0

ECLASS

27440102		
27440116		
27440116		
ETIM		
EC002635		

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	126e5119-3157-421c-9a12-4ed0cb033d9f

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