

1441862

https://www.phoenixcontact.com/us/products/1441862

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Device connector rear mounting, 4-position, Pin, M12, coding: D, Rear mounting, M16 x 1.5, Solder pins, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239745

### Your advantages

- Easy PCB assembly: one-piece connectors for wave soldering
- · All standard pin assignments and codings for signal, data, and power transmission with a uniform design-in design
- · SPEEDCON fast locking system reduces cabling times
- · For high transmission reliability: optional shield connection to the housing by means of shield contact

#### Commercial data

Item number	1441862	
Packing unit	20 pc	
Minimum order quantity	20 pc	
Sales key	AB26	
Product key	ABQEGB	
Catalog page	Page 251 (C-2-2013)	
GTIN	4046356534062	
Weight per piece (including packing)	14.09 g	
Weight per piece (excluding packing)	14.09 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 instructions	With flat nut	

### Product properties

Product type	Circular connectors (device side)
Number of positions	4
Shielded	yes
Coding	D
Thread type	M12
Insulation characteristics	

Overvoltage category	II
Degree of pollution	3

### **Dimensions**

Length of the solder pin	6 mm
	6 mm

### Material specifications

Flammability rating according to UL 94	
Seal material	FKM
	NBR
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 6.6
Material for screw connection	Zinc die-cast, nickel-plated

### Electrical properties

Rated surge voltage	2.5 kV
Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U <sub>N</sub>	250 V



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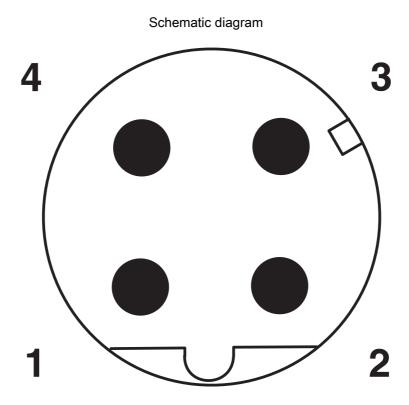
Nominal current I <sub>N</sub>	4 A
Connection data	
Connection data	
Conductor connection	
Connection method	Solder pins
Contact connection type	Pin
Tightening torque	to 3 Nm 4 Nm (Installation-side)
Mechanical properties	
Mechanical data	
Insertion/withdrawal cycles	> 100
Connector	
Connector	
Connection 1	
Head design	Pin
Head thread type	M12
Coding	D
Cable/line	
Ambient temperature (operation)	-40 °C 85 °C (cable, fixed installation)
	-25 °C 85 °C (Cable, flexible installation)
Environmental and real life and distance	
Environmental and real-life conditions	
Ambient conditions	
Degree of protection	IP67 (When plugged in)
	IP65 (When plugged in)
	IP65/IP67
Ambient temperature (operation)	-25 °C 85 °C (Plug / socket)
	-40 °C 85 °C (without mechanical actuation)
	-25 °C 85 °C (Cable, flexible installation)
	-40 °C 85 °C (cable, fixed installation)
Standards and regulations	
Canada do ana rogaladono	
M12	
Standard designation	M12 connector
Standards/specifications	IEC 61076-2-101



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### Drawings



Pin assignment M12 male connector, 4-pos., D-coded, male side



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### Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1441862

<b>.FL</b>	cUL Recognized Approval ID: E118976-201	00522			
		Nominal voltage U <sub>N</sub>	Nominal current I <sub>N</sub>	Cross section AWG	Cross section mm <sup>2</sup>
		250 V	4 A	22 - 22	-

<b>71</b>	UL Recognized Approval ID: E118976-20	1100522			
		Nominal voltage U <sub>N</sub>	Nominal current I <sub>N</sub>	Cross section AWG	Cross section mm <sup>2</sup>
		250 V	4 A	22 - 22	-

e <b>711</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>
		250 V	4 A	22 - 20	-

cULus Recognized



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### Classifications

UNSPSC 21.0

### **ECLASS**

27440102
27440116
27440116
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	3a8b3f48-3dae-4326-87d4-a022ec83634e



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### Accessories

SACC-M16-SEAL CLM - Flat gasket

1430394

https://www.phoenixcontact.com/us/products/1430394

M16 flat gasket for M12 flush-type connectors with M16 fastening thread



### PROT-M12 FS - Sealing cap

1560251

https://www.phoenixcontact.com/us/products/1560251



M12 sealing cap for unoccupied M12 plugs of the sensor/actuator cable, flush-type plugs and I/O devices in the field



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### PROT-M12 FS-M - Sealing cap

1430488

https://www.phoenixcontact.com/us/products/1430488



M12 metal sealing cap for unoccupied M12 plugs of the sensor/actuator cable, flush-type plugs and I/O devices in the field

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