

1437203

https://www.phoenixcontact.com/us/products/1437203

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Sensor/actuator flush-type plug, 5-pos., M12, shielded, B-coded, rear/screw mounting with M12 thread, with straight solder connection

Your advantages

• Standard pin assignments and codings for signal transmission with a uniform design-in design

Commercial data

Item number	1437203
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	AB23
Product key	ABQEGA
Catalog page	Page 189 (C-2-2013)
GTIN	4046356460392
Weight per piece (including packing)	12.03 g
Weight per piece (excluding packing)	12.03 g
Customs tariff number	85366990
Country of origin	HU



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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.

Mounting

Mounting type	Rear mounting M12 x 1 With locking nut	
Assembly instructions	With locking nut	

Product properties

Number of positions5ShieldedyesCodingB	Product type	Circular connectors (device side)	
Coding B	Number of positions	5	
· ·	Shielded	yes	
	Coding	В	
Thread type M12	Thread type	M12	

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Material specifications

Flammability rating according to UL 94	НВ
Seal material	NBR
Contact material	CuZn
Contact surface material	Ni/Au
Contact carrier material	PA 6.6
Material for screw connection	Brass, nickel-plated

Electrical properties

Rated surge voltage	1.5 kV
Contact resistance	≤ 5 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U _N	60 V
Nominal current I _N	4 A

Connection data

Conductor connection

Connection method	Solder pins	
Contact connection type	Pin	



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1 Nm 1.5 Nm (Installation-side)
> 100
Pin
straight
M12
В
-40 °C 85 °C (cable, fixed installation)
-40 °C 85 °C (cable, fixed installation) -25 °C 85 °C (Cable, flexible installation)
-25 °C 85 °C (Cable, flexible installation)
-25 °C 85 °C (Cable, flexible installation)
-25 °C 85 °C (Cable, flexible installation) IP67 IP67
-25 °C 85 °C (Cable, flexible installation) IP67 IP67 -25 °C 85 °C (Plug / socket)
-25 °C 85 °C (Cable, flexible installation) IP67 IP67 -25 °C 85 °C (Plug / socket) -40 °C 85 °C (without mechanical actuation)
-25 °C 85 °C (Cable, flexible installation) IP67 IP67 -25 °C 85 °C (Plug / socket)
-25 °C 85 °C (Cable, flexible installation) IP67 IP67 -25 °C 85 °C (Plug / socket) -40 °C 85 °C (without mechanical actuation) -25 °C 85 °C (Cable, flexible installation)
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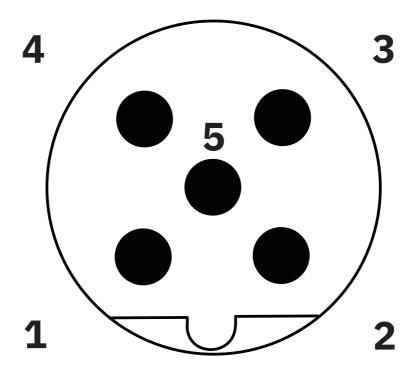


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Drawings

Schematic diagram



Pin assignment M12 male connector, 5-pos., B-coded, male side



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Approvals

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.51	cUL Recognized Approval ID: FILE E 221	474			
		Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
		60 V	4 A	-	-

<i>9</i> 7	UL Recognized Approval ID: FILE E 221	474			
		Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
		60 V	4 A	-	-

7/	UL Recognized Approval ID: E221474-20	0070307			
		Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
		60 V	4 A	-	-

.71	cUL Recognized Approval ID: E221474-20070307				
		Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
		60 V	4 A	-	-



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Classifications

UNSPSC 21.0

ECLASS

ECLASS-11.0	27440102			
ECLASS-12.0	27440116			
ECLASS-13.0	27440116			
ETIM				
ETIM 9.0	EC002635			
UNSPSC				

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	6a230e39-011a-4ebd-868a-4407da2a4182	



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Accessories

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

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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