

1436314

https://www.phoenixcontact.com/us/products/1436314

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Sensor/actuator flush-type connector, socket, 5-pos., M12, A-coded, rear/screw mounting with Pg9 thread, with solder cups, plastic version

## Your advantages

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

## Commercial data

Item number	1436314
Packing unit	20 pc
Minimum order quantity	20 pc
Sales key	AB23
Product key	ABQEHL
Catalog page	Page 263 (C-2-2013)
GTIN	4046356438285
Weight per piece (including packing)	7.135 g
Weight per piece (excluding packing)	6.53 g
Customs tariff number	85366990
Country of origin	DE



1436314

https://www.phoenixcontact.com/us/products/1436314

#### Technical data

#### Notes

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.

#### Safety note

#### Safety note

WARNING: The connectors may not be plugged in or disconnected under load. Ignoring the warning or improper use may damage persons and/or property.

- WARNING: Commission properly functioning products only.
   The products must be regularly inspected for damage.
   Decommission defective products immediately. Replace damaged products. Repairs are not possible.
- WARNING: Only electrically qualified personnel may install and operate the product. They must observe the following safety notes. The qualified personnel must be familiar with the basics of electrical engineering. They must be able to recognize and prevent danger. The relevant symbol on the packaging indicates that only personnel familiar with electrical engineering are allowed to install and operate the product.
- The products are suitable for applications in plant, controller, and electrical device engineering.
- When operating the connectors in outdoor applications, they must be separately protected against environmental influences.
- Assembled products may not be manipulated or improperly opened.
- Only use mating connectors that are specified in the technical data of the standards listed (e.g. the ones listed in the product accessories online at phoenixcontact.com/products).
- When using the product in direct connection with third-party manufacturers, the user is responsible.
- For operating voltages > 50 V AC, conductive connector housings must be grounded
- Ensure that when laying the cable, the tensile load on the connectors does not exceed the upper limit specified in the standards.
- Observe the corresponding technical data. You will find information:
- o On the product
- o On the packing label
- o In the supplied documentation
- o Online at phoenixcontact.com/products under the product
- · Only use tools recommended by Phoenix Contact
- Use a protective cap to protect connectors that are not in use.
   The suitable accessories are available online in the accessory section of the product at phoenixcontact.com/products



1436314

https://www.phoenixcontact.com/us/products/1436314

Contact connection type

	<ul> <li>Ensure that the protective or functional ground has been properly connected.</li> </ul>
	• VDE 0100/1.97 § 411.1.3.2 and DIN EN 60 204/11.98 § 14.1.3
	are applicable when combining several circuits in a cable and/or connector
	<ul> <li>The connector warms up in normal operation. Depending on the ambient conditions, the surface of the connector can continue to warm up. In this case, the user is responsible for posting warnings (e.g. DIN EN ISO 13732-1:2008-12).</li> </ul>
lounting	
Mounting type	Rear mounting Pg9 With locking nut
Assembly note	With locking nut
roduct properties	
Product type	Circular connectors (device side)
Number of positions	5
Shielded	no
Coding	A
Thread type	M12
Insulation characteristics	
Overvoltage category	II
Degree of pollution	3
aterial specifications	
Color	black
Flammability rating according to UL 94	HB
Seal material	Viton
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 6.6
Material for screw connection	PA 6.6
ectrical properties	
Rated surge voltage	1.5 kV
Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U <sub>N</sub>	60 V
Nominal current I <sub>N</sub>	4 A
onnection data	
Simodion data	
Conductor connection	
Connection method	Solder cup
0 - 1 - 1 1 1	0 1 1

Socket



1436314

https://www.phoenixcontact.com/us/products/1436314

Conductor cross section flexible	0.25 mm²	
Tightening torque	1.25 Nm 1.5 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	
Coding	A	

### Environmental and real-life conditions

### Ambient conditions

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

## Standards and regulations

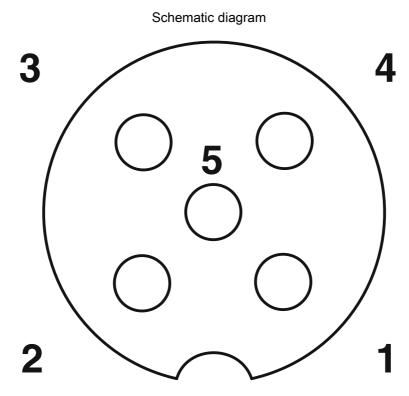
Standard designation	M12 connector
Standards/specifications	IEC 61076-2-101



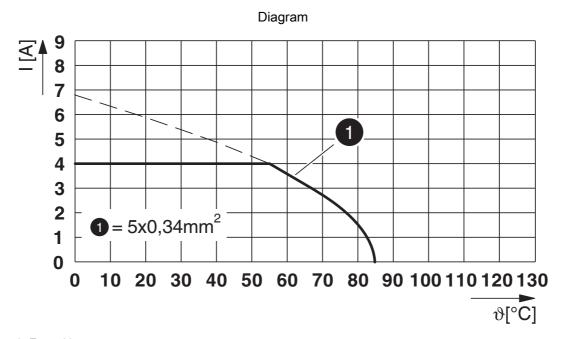
1436314

https://www.phoenixcontact.com/us/products/1436314

## Drawings



Pin assignment M12 socket, 5-pos., A-coded, socket side view



I = current strength, T = ambient temperature



1436314

https://www.phoenixcontact.com/us/products/1436314

## Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1436314



**cULus Recognized**Approval ID: E221474-20070307



1436314

https://www.phoenixcontact.com/us/products/1436314

## Classifications

UNSPSC 21.0

## **ECLASS**

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

39121400



1436314

https://www.phoenixcontact.com/us/products/1436314

## 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	58f819c7-2831-4c38-bb80-4790b9711df7	



1436314

https://www.phoenixcontact.com/us/products/1436314

## Accessories

SACC-PG9-SEAL CLM - Flat gasket

1556320

https://www.phoenixcontact.com/us/products/1556320

Pg9 flat gasket, for M12 flush-type connectors with Pg9 fastening thread



## PROT-M12 - Screw plug

1680539

https://www.phoenixcontact.com/us/products/1680539



An M12 screw plug for the unoccupied M12 sockets of the sensor/actuator cable, boxes and flush-type connectors



1436314

https://www.phoenixcontact.com/us/products/1436314

## PROT-M12 SH - Screw plug

1503302

https://www.phoenixcontact.com/us/products/1503302



An M12 screw plug for the unoccupied M12 sockets of the shielded sensor/actuator cable, boxes and flush-type connectors

## PROT-M12 FB - Screw plug

1555538

https://www.phoenixcontact.com/us/products/1555538



M12 high-grade steel screw plug, for unoccupied M12 sockets of the sensor/actuator cables, boxes and flush-type connectors for the food industry

Phoenix Contact 2024 © - all rights reserved https://www.phoenixcontact.com

Phoenix Contact USA 586 Fulling Mill Road Middletown, PA 17057, United States (+717) 944-1300 info@phoenixcon.com