

1436314

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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
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



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Technical data

Notes

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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.

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



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	 Ensure that the protective or functional ground has been properly connected.
	 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
	 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).
ounting	
Mounting type	Rear mounting (Pg9, with locking nut)
Tightening torque	1.25 Nm 1.5 Nm (Installation-side)
oduct 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	
Material Housing	PA 6.6
Material Insulating body	PA 6.6
Material Contact	CuZn
Material Contact surface	Au
Material Seal	Viton
Material Seal Flammability rating according to UL 94	Viton HB
Flammability rating according to UL 94 ectrical properties	
Flammability rating according to UL 94	НВ
Flammability rating according to UL 94 ectrical properties Rated surge voltage	1.5 kV
Flammability rating according to UL 94 ectrical properties Rated surge voltage Contact resistance	HB 1.5 kV ≤ 3 mΩ
Flammability rating according to UL 94 ectrical properties Rated surge voltage Contact resistance Insulation resistance	HB 1.5 kV ≤ 3 mΩ ≥ 100 MΩ
Flammability rating according to UL 94 ectrical properties Rated surge voltage Contact resistance Insulation resistance Nominal voltage U _N	HB 1.5 kV ≤ 3 mΩ ≥ 100 MΩ 60 V
Flammability rating according to UL 94 ectrical properties Rated surge voltage Contact resistance Insulation resistance Nominal voltage U _N Nominal current I _N	HB 1.5 kV ≤ 3 mΩ ≥ 100 MΩ 60 V
Flammability rating according to UL 94 ectrical properties Rated surge voltage Contact resistance Insulation resistance Nominal voltage U _N Nominal current I _N	HB 1.5 kV ≤ 3 mΩ ≥ 100 MΩ 60 V 4 A
Flammability rating according to UL 94 ectrical properties Rated surge voltage Contact resistance Insulation resistance Nominal voltage U _N Nominal current I _N onnection data Conductor connection	HB 1.5 kV ≤ 3 mΩ ≥ 100 MΩ 60 V



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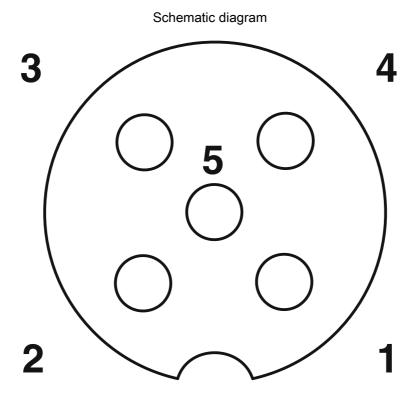
Tightening torque	1.25 Nm 1.5 Nm (Installation-side)
echanical properties	
Mechanical data	
Insertion/withdrawal cycles	> 100
onnector	
Connection 1	
Head design	Socket
Head cable outlet	straight
Head thread type	M12
Coding	A
nvironmental and real-life conditions Ambient conditions	
	IP67
Ambient conditions Degree of protection Ambient temperature (operation) (male connector/female	IP67 -25 °C 85 °C (Plug / socket)
Ambient conditions Degree of protection	
Ambient conditions Degree of protection Ambient temperature (operation) (male connector/female	-25 °C 85 °C (Plug / socket)
Ambient conditions Degree of protection Ambient temperature (operation) (male connector/female connector)	-25 °C 85 °C (Plug / socket) -40 °C 85 °C (without mechanical actuation)
Ambient conditions Degree of protection Ambient temperature (operation) (male connector/female connector) UL Type Rating	-25 °C 85 °C (Plug / socket) -40 °C 85 °C (without mechanical actuation)



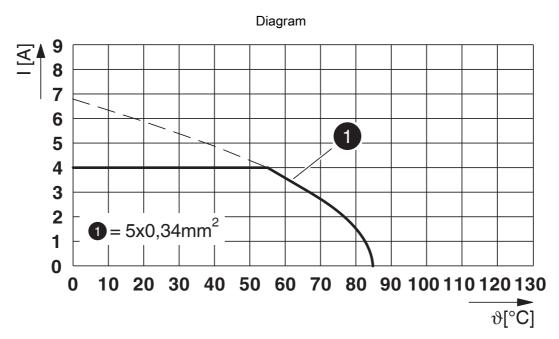
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Drawings



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



I = current strength, T = ambient temperature



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Approvals

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



cULus RecognizedApproval ID: E221474-20070307



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Classifications

ECLASS

	ECLASS-13.0	27440109	
	ECLASS-15.0	27440109	
ETIM			
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	ETIM 9.0	EC003569	
UI	NSPSC		
	UNSPSC 21.0	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	58f819c7-2831-4c38-bb80-4790b9711df7

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