

1436330

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

Commercial data

Item number	1436330
Packing unit	20 pc
Minimum order quantity	20 pc
Sales key	AB23
Product key	ABQELL
Catalog page	Page 263 (C-2-2013)
GTIN	4046356438308
Weight per piece (including packing)	7.45 g
Weight per piece (excluding packing)	7.45 g
Customs tariff number	85366990
Country of origin	DE



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Technical data

Notes

also be taken into consideration.	is unlocke connector Influence:	or pair is correctly locked and mounted. If the connector ed and if there is a danger of contamination, the or must be sealed using a protective cap > IP54. es arising from litz wires, cables or PCB assembly must aken into consideration
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Mounting

Mounting type	Rear mounting Pg9 With locking nut
Assembly note	With locking nut

Product properties

Number of positions 5	5
Shielded	no
Coding A	A
Thread type M	M12

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Material specifications

Color	black
Flammability rating according to UL 94	НВ
Seal material	Viton
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 6.6
Material for screw connection	PA 6.6

Electrical properties

Rated surge voltage	1.5 kV
Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U _N	60 V
Nominal current I _N	4 A
Max. conductor resistance	57.6 mΩ/m

Connection data

Conductor connection



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	Connection method	Wave soldering
	Contact connection type	Socket
	Conductor cross section	0.34 mm²
	Tightening torque	1.25 Nm 1.5 Nm (Installation-side)
Me	chanical properties	
Ν	lechanical data	
	Insertion/withdrawal cycles	> 100
Сог	nnector	
С	connection 1	
	Head design	Socket
	Head cable outlet	straight
	Head thread type	M12
	Coding	A
Cal	ble/line	
	Wire diameter incl. insulation	1.2 mm ±0.07 mm
	Cable cross section	0.34 mm²
	Conductor structure signal line	7x 0.25 mm
	Thickness, insulation	0.21 mm
	Nominal voltage, cable	300 V
	Test voltage, cable	2000 V AC
	Cable resistance	≤ 57.6 mΩ/m
	Cable insulation resistance	≥ 20 MΩ*km
	Ambient temperature (operation)	-40 °C 85 °C (cable, fixed installation)
		-25 °C 85 °C (Cable, flexible installation)

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)
	-25 °C 85 °C (Cable, flexible installation)
	-40 °C 85 °C (cable, fixed installation)

Standards and regulations

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



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Drawings



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



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Approvals

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cULus Recognized Approval ID: E221474-20070307



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Classifications

ECLASS

	ECLASS-11.0	27440102
	ECLASS-12.0	27440116
	ECLASS-13.0	27440116
ET	IM	
	ETIM 9.0	EC002635
UN	SPSC	
	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	0b1214c9-a7dc-4cdd-9105-9e6d10756fc7



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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



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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

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