

1436440

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Sensor/actuator flush-type connector, socket, 8-pos., M12, A-coded, front/screw mounting with M12 thread, with solder cups, plastic version

Commercial data

Item number	1436440
Packing unit	20 pc
Minimum order quantity	20 pc
Sales key	AB23
Product key	ABQEEI
Catalog page	Page 241 (C-2-2013)
GTIN	4046356438391
Weight per piece (including packing)	4.02 g
Weight per piece (excluding packing)	3.973 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.
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Mounting

Mounting type	Front mounting M12 x 1 With flat nut
Assembly note	With flat nut

Product properties

Product type	Circular connectors (device side)
Number of positions	8
Shielded	no
Coding	A
Thread type	M12

Data management status

Article revision	00
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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	0.8 kV
Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U _N	30 V
Nominal current I _N	2 A

Connection data



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Conductor connection

Connection method	Solder cup
Contact connection type	Pin
Conductor cross section flexible	0.25 mm²
Tightening torque	0.4 Nm 0.6 Nm (Installation-side)

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	> 100

Connector

Connection 1

Head design	Pin
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

M12

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

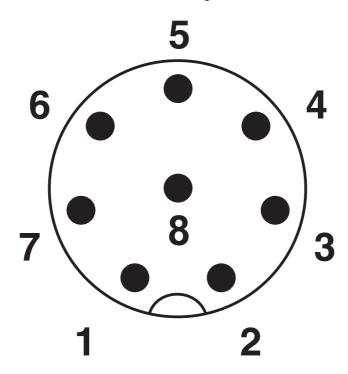


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Drawings





Pin assignment M12 plug, 8-pos., A-coded, view plug side



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Approvals

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cULus RecognizedApproval ID: E221474-20070307



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Classifications

ECLASS

	ECLASS-11.0	27440102		
	ECLASS-12.0	27440116		
	ECLASS-13.0	27440116		
ETIM				
	ETIM 9.0	EC002635		
UNSPSC				
	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	791e5528-9722-4183-8d7c-bc5f73f57418

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