

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

General	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 instructions	With flat nut

# Product properties

Product type	Circular connectors (device side)
Number of positions	8
Coding	A
Thread type	M12
Insulation characteristics	
Overvoltage category	II II

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# Material specifications

Degree of pollution

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 <sub>N</sub>	30 V
Nominal current I <sub>N</sub>	2 A

#### Connection data

#### Conductor connection

Connection method	Solder cup
Contact connection type	Pin



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Conductor cross section flexible	0.25 mm²
Tightening torque	0.4 Nm 0.6 Nm (Installation-side)

# Mechanical properties

#### Mechanical data

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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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# Classifications

### **ECLASS**

UNSPSC 21.0

	ECLASS-11.0	27440102	
	ECLASS-12.0	27440116	
	ECLASS-13.0	27440116	
ETIM			
	ETIM 9.0	EC002635	
UNSPSC			
ONO! OO			

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# Environmental product compliance

REACh SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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