

SACC-DSI-M12FS-8CON-L180P - Device connector rear mounting



1436343

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Sensor/actuator flush-type connector, socket, 8-pos., M12, A-coded, rear/screw mounting with Pg9 thread, with straight solder connection, plastic version

Commercial data

Item number	1436343
Packing unit	20 pc
Minimum order quantity	20 pc
Sales key	AB23
Product key	ABQELL
GTIN	4046356438315
Weight per piece (including packing)	7.21 g
Weight per piece (excluding packing)	7.21 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	Rear mounting (Pg9, with locking nut)
Tightening torque	1.25 Nm ... 1.5 Nm (Installation-side)

Product properties

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

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Material specifications

Material Housing	PA 6.6
Material Insulating body	PA 6.6
Material Contact	CuZn
Material Contact surface	Au
Flammability rating according to UL 94	HB
Seal material	Viton

Electrical properties

Rated surge voltage	0.8 kV
Contact resistance	$\leq 3 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$
Nominal voltage U_N	30 V
Nominal current I_N	2 A
Max. conductor resistance	57.6 m Ω /m

Connection data

Conductor connection

Connection method	Wave soldering
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Contact connection type	Socket
Conductor cross-section	0.25 mm ²
Tightening torque	1.25 Nm ... 1.5 Nm (Installation-side)

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	> 100
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Connector

Connection 1

Head design	Socket
Head cable outlet	straight
Head thread type	M12
Coding	A

Cable/line

Wire diameter incl. insulation	1.15 mm ±0.07 mm
Cable cross section	0.25 mm ²
Conductor structure signal line	14x 0.15 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

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67
Ambient temperature (operation) (male connector/female connector)	-25 °C ... 85 °C (Plug / socket)
	-40 °C ... 85 °C (without mechanical actuation)
UL Type Rating	Type 4 (indoor use only)

Standards and regulations

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

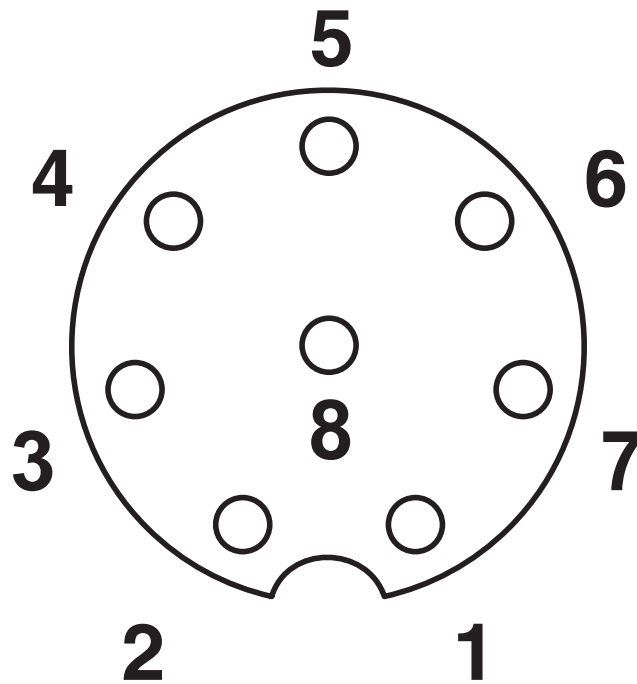
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Drawings

Schematic diagram



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

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Approvals

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cULus Recognized

Approval ID: E221474-20070307

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Classifications

ECLASS

ECLASS-13.0	27440110
ECLASS-15.0	27440110

ETIM

ETIM 9.0	EC003568
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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	3922222a-a6ac-44f0-bd8f-5975cda34058

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