

1542732

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Device connector rear mounting, Universal, 8-position, Socket, straight, M12-SPEEDCON, coding: A, on free cable end, Rear mounting, Pg9, Individual wires, cable length: 0.5 m, 0.25 mm², TPE litz wire, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239959

Your advantages

- · Preassembled with litz wires for immediate use
- · Customer-specific assemblies and litz wire lengths available
- · Sealed on the litz wire side for optimum leak-tightness
- · All standard pin assignments and codings for signal, data, and power transmission with a uniform design-in design
- · For high transmission safety: shield connection to the housing with optional EMC nut
- · SPEEDCON fast locking system reduces cabling times

Commercial data

Item number	1542732
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB24
Product key	ABQCHE
Catalog page	Page 46 (C-2-2019)
GTIN	4046356097741
Weight per piece (including packing)	27.9 g
Weight per piece (excluding packing)	27.62 g
Customs tariff number	85444290
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.
General	Lock nut is included in the scope of delivery
General	Contact connection method: Crimp connection

Mounting

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

Product properties

Product type	Circular connectors (device side)
Sensor type	Universal
Number of positions	8
No. of cable outlets	1
Shielded	no
Coding	A
Thread type	M12

Insulation characteristics

Degree of pollution 3	

Material specifications

Flammability rating according to UL 94	VO
Seal material	FKM
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 6.6
Material for screw connection	Zinc die-cast, nickel-plated
Conductor material	Tin-plated Cu litz wires

Electrical properties

Rated surge voltage	0.8 kV
Contact resistance	$\leq 3 \text{ m}\Omega$
Insulation resistance	≥ 100 MΩ
Nominal voltage U _N	30 V (AC)
	30 V (DC)



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Nax. conductor resistance 80 m2/m Connection data 00 m2/m Conductor connection 000000000000000000000000000000000000		
Connection data Conductor connection Connection method Individual wires Contact connection type Socket Conductor cross section 0.25 mm* Tightening torque 2 Nm 3 Nm (Installation-side) Mechanical data Insertion/withdrawal cycles Insertion/withdrawal cycles > 100 Connector Connection 1 Head design Socket Head cable outlet straight Head cable outlet straight Head cable outlet spraight Gable outlet spraight Head cable outlet spr	Nominal current I _N	2 A
Conductor connection Individual wires Connection method Individual wires Conductor cross section 0.25 mm² Tightening torque 2 Nm 3 Nm (Installation-side) Mechanical data Insertion/withdrawal cycles > 100 Connection 1 Head design Socket Head locking type SPEEDCON Connection 2 Insertion Mit 2 Head design free cable end Cols in gla wire, color 0.5 m Cable type SPEEDCON Cable type Spece Connection 2 Wire diameter incl. insulation 1.15 mm ±0.07 mm Single wire, color 0.25 mm² Conductor structure signal line 14x 0.15	Max. conductor resistance	80 mΩ/m
Conductor connection Individual wires Connection method Individual wires Conductor cross section 0.25 mm² Tightening torque 2 Nm 3 Nm (Installation-side) Mechanical data Insertion/withdrawal cycles > 100 Connection 1 Head design Socket Head locking type SPEEDCON Connection 2 Insertion Mit 2 Head design free cable end Cols in gla wire, color 0.5 m Cable type SPEEDCON Cable type Spece Connection 2 Wire diameter incl. insulation 1.15 mm ±0.07 mm Single wire, color 0.25 mm² Conductor structure signal line 14x 0.15	Connection data	
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Tightening torque 2 Nn 3 Nm (Installation-side) Mechanical properties Mechanical data Insertion/withdrawal cycles > 100 Connection 1 Head design Socket Head chaing type SPEEDCON Coding A Connection 2 Image: Secon S	Contact connection type	Socket
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Single wire, colorbrown, blue, white, gray, pink, green, yellow, redCable cross section0.25 mm²Conductor materialTin-plated Cu litz wiresConductor structure signal line14x 0.15 mmAWG signal line24Material wire insulationTPEThickness, insulation0.21 mmNominal voltage, cable300 VCable resistance≤ 80 mΩ/mCable insulation resistance≥ 20 MΩ*km	Signal type/category	Universal
Cable cross section0.25 mm²Conductor materialTin-plated Cu litz wiresConductor structure signal line14x 0.15 mmAWG signal line24Material wire insulationTPEThickness, insulation0.21 mmNominal voltage, cable300 VTest voltage, cable2000 V ACCable resistance≤ 80 mΩ/mCable insulation resistance≥ 20 MΩ*km	Wire diameter incl. insulation	1.15 mm ±0.07 mm
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Material wire insulation TPE Thickness, insulation 0.21 mm Nominal voltage, cable 300 V Test voltage, cable 2000 V AC Cable resistance ≤ 80 mΩ/m Cable insulation resistance ≥ 20 MΩ*km		14x 0.15 mm
Thickness, insulation0.21 mmNominal voltage, cable300 ∨Test voltage, cable2000 ∨ ACCable resistance≤ 80 mΩ/mCable insulation resistance≥ 20 MΩ*km	AWG signal line	24
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Test voltage, cable 2000 ∨ AC Cable resistance ≤ 80 mΩ/m Cable insulation resistance ≥ 20 MΩ*km		
Cable resistance ≤ 80 mΩ/m Cable insulation resistance ≥ 20 MΩ*km		
Cable insulation resistance $\geq 20 \text{ M}\Omega^*\text{km}$		
Ambient temperature (operation) -40 °C 85 °C (cable fixed installation)		
	Ambient temperature (operation)	-40 °C 85 °C (cable, fixed installation)

SACC-DSI-FS-8CON-PG 9/0,5 SCO - Device

connector rear mounting



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-25 °C ... 85 °C (Cable, flexible installation)

Environmental and real-life conditions

Ambient conditions	
Degree of protection Ambient temperature (operation)	IP67 (When plugged in)
	IP65 (When plugged in)
	IP65/IP67
	-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

SACC-DSI-FS-8CON-PG 9/0,5 SCO - Device

connector rear mounting



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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

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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