

# SACC-DSI-MS-8CON-M12/1,0 SCO - Device connector rear mounting



1417853

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Device connector rear mounting, 8-position, Pin, straight, M12-SPEEDCON, A-coding, on free cable end, Individual wires, cable length: 1 m, 0.25 mm<sup>2</sup>, potted, this item is expected to be lead-free from Q3 2026 in accordance with RoHS II without exception 6c (Pb < 0.1%), a lead-free alternative is possible on request in advance

## Commercial data

Item number	1417853
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB24
Product key	ABQCGA
GTIN	4055626128542
Weight per piece (including packing)	36.4 g
Weight per piece (excluding packing)	33.421 g
Customs tariff number	85444290
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.
Order information:	Lock nut is included in the scope of delivery
General	Contact connection method: Crimp connection

### Mounting

Mounting type	Rear mounting (M12 x 1)
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### Product properties

Product type	Circular connectors (device side)
Application	Signal
Number of positions	8
Coding	A
Thread type	M12

### Material specifications

Material Housing	GD-Zn
Material Housing surface	Ni
Material Insulating body	PA 6.6
Material Contact	CuZn
Material Contact surface	Au
Material Molding compound	PUR (potted)

### Connection data

#### Conductor connection

Connection method	Individual wires
Contact connection type	Pin
Conductor cross-section	0.25 mm <sup>2</sup>

### Connector

#### Connection 1

Head design	Pin
Head cable outlet	straight
Head thread type	M12
Head locking type	SPEEDCON
Coding	A

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## Connection 2

Head design	free cable end
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## Cable/line

Cable length	1 m
Cable cross section	0.25 mm <sup>2</sup>
AWG signal line	24

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP67 (When plugged in)
	IP65 (When plugged in)
UL Type Rating	Type 4 (indoor use only)

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## Drawings

Schematic diagram



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

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## Approvals

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 <b>UL Recognized</b> Approval ID: E118976-20100522				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
keine				
	30 V	2 A	24	-

 <b>cULus Recognized</b> Approval ID: E221474-20140616				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
keine				
	30 V	2 A	24 - 22	-

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## Classifications

### ECLASS

ECLASS-13.0	27440103
ECLASS-15.0	27440103

### ETIM

ETIM 10.0	EC003570
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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