

# SACC-DSI-FSY-8CON-M16-L180 SCO - Device connector rear mounting



1407503

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Device connector rear mounting, Ethernet CAT5 (IEC 11801:2002) (100 Mbps), 8-position, Socket, M12-SPEEDCON, coding: Y, Rear mounting, M16 x 1.5, Solder pins, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1238748

## Your advantages

- Easy PCB assembly: one-piece connectors for wave soldering
- All standard pin assignments and codings for signal, data, and power transmission with a uniform design-in design
- For high transmission reliability: optional shield connection to the housing by means of shield contact

## Commercial data

Item number	1407503
Packing unit	20 pc
Minimum order quantity	20 pc
Sales key	AB26
Product key	ABQEHB
Catalog page	Page 91 (C-2-2013)
GTIN	4046356807920
Weight per piece (including packing)	16.81 g
Weight per piece (excluding packing)	16.81 g
Customs tariff number	85366990
Country of origin	DE

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## Technical data

### Notes

General	The electrical and mechanical data specified assumes that the connector pair is correctly locked and mounted. If the connector is unlocked and if there is a danger of pollution, the connector must be sealed using a protective cap >IP54. Influences arising from litz wires, cables, or PCB mounting must also be taken into consideration. Additional mechanical fixing of the PCB is required.
General	Lock nut is included in the scope of delivery

### Mounting

Mounting type	Rear mounting M16 x 1.5
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### Product properties

Product type	Circular connectors (device side)
Sensor type	Ethernet
Number of positions	8
Shielded	yes
Coding	Y
Thread type	M12

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Material specifications

Material	Zinc die-cast (nickel-plated)
Flammability rating according to UL 94	V0
Seal material	FKM
Contact material	CuZn
Contact surface material	Ni/Au
Contact carrier material	PPA
Material for screw connection	Zinc die-cast, nickel-plated

### Electrical properties

Rated surge voltage	0.8 kV
Contact resistance	≤ 3 mΩ
Insulation resistance	> 100 MΩ
Nominal voltage $U_N$	48 V AC (Power and data)
	50 V DC (Power and data)
Nominal current $I_N$	0.5 A (Data)
	6 A (Power)

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Transmission medium	Copper
Transmission characteristics (category)	CAT5 (IEC 11801:2002)

## Connection data

### Conductor connection

Connection method	Solder pins
Contact connection type	Socket
Tightening torque	3 Nm ... 4 Nm (Installation-side)

## Mechanical properties

### Mechanical data

Insertion/withdrawal cycles	≥ 100
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## Connector

### Connection 1

Head design	Socket
Head thread type	M12
Head locking type	SPEEDCON
Coding	Y

## Cable/line

Signal type/category	Ethernet CAT5 (IEC 11801:2002), 100 Mbps
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## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP67
	IP67
Ambient temperature (operation)	-25 °C ... 85 °C
	-40 °C ... 85 °C (without mechanical actuation)

## Standards and regulations

### M12

Standard designation	M12 connector
Standards/specifications	IEC 61076-2-113

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## Classifications

### ECLASS

ECLASS-11.0	27440102
ECLASS-12.0	27440116
ECLASS-13.0	27440116

### ETIM

ETIM 9.0	EC002635
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### UNSPSC

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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