

# Flush-type socket - SACC-DSI-FSY-8CON-M16/0,5 SCO - 1407618

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Flush-type socket, Universal CAT5 (IEC 11801:2002), 8-position, Socket, M12-SPEEDCON, Y - hybrid, Rear mounting, M16 x 1.5, Contacts with connected litz wires, cable length: 0.5 m


M12 panel feed-through, rear mounting

## Why buy this product

- Pre-assembled with litz wires for immediate use
- Customer-specific assemblies and litz wire lengths available
- 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



## Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 807913
GTIN	4046356807913

## Technical data

### Dimensions

Length of cable	0.5 m
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### Ambient conditions

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

### General

Note	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.
Rated current at 40°C	6 A (Power)

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## Technical data

### General

	0.5 A (Data)
Rated voltage	48 V AC (Power and data)
	50 V DC (Power and data)
Rated surge voltage	0.8 kV
Number of positions	8
Insulation resistance	> 100 MΩ
Coding	Y - hybrid
Standards/regulations	M12 connector
Signal type/category	Universal CAT5 (IEC 11801:2002)
Overvoltage category	III
Degree of pollution	3
Connection method	Contacts with connected litz wires
Insertion/withdrawal cycles	> 100
Torque	3 Nm ... 4 Nm (Installation-side)
Mounting type	Rear mounting M16 x 1.5

### Material

Flammability rating according to UL 94	V0
Contact material	CuZn
Contact surface material	Ni/Au
Contact carrier material	PPA
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	FKM

### Cable

Cable type	TPE litz wire
Conductor cross section	0.14 mm <sup>2</sup>
	0.5 mm <sup>2</sup>
AWG signal line	26
AWG power supply	20
Conductor structure signal line	1.10 mm
Conductor structure, voltage supply	1.50 mm
Thickness, insulation	0.25 mm
Wire colors	Signal: orange/white, orange, green/white, green Power: blue, white, brown, black
Material conductor insulation	TPE
Conductor material	Tin-plated Cu litz wires
Standards/specifications	M12 connector
Insulation resistance	≥ 20 MΩ*km
Conductor resistance	≤ 142 mΩ/m
	≤ 40.1 mΩ/m
Transmission characteristics (category)	CAT5 (IEC 11801:2002)

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## Technical data

### Cable

Nominal voltage, cable	300 V
Test voltage, cable	3000 V AC
Ambient temperature (operation)	-40 °C ... 105 °C (cable, fixed installation)
	-30 °C ... 90 °C (cable, flexible installation)

### Standards and Regulations

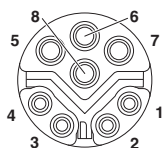
Standard designation	M12 connector
Flammability rating according to UL 94	V0

### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

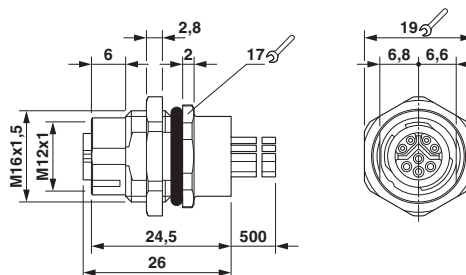
## Drawings

Schematic diagram



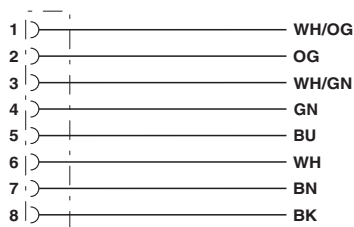
Pin assignment of socket, 8-pos., Y-coded, socket side view

Dimensional drawing



M12 flush-type socket, rear mounting, M16 fastening thread

Circuit diagram



Contact assignment of the M12 connector

## Approvals

### Approvals

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## Approvals

Approvals

EAC / UL Recognized / cUL Recognized / cULus Recognized

Ex Approvals

### Approval details

EAC		B.00767
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UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> E335024-20120308
Nominal voltage UN		30 V
Nominal current IN		4.5 A

cUL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> E335024-20120308
Nominal voltage UN		30 V
Nominal current IN		4.5 A

cULus Recognized		
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