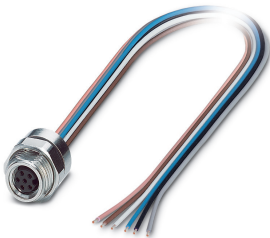


## Device connector, rear mounting - SACC-DSI-M 8FS-6CON-M12/0,5 - 1453465

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Device connector, rear mounting, 6-position, Socket, straight, M8, Rear mounting, M12 x 1, Individual wires, cable length: 0.5 m, 0.14 mm<sup>2</sup>, PVC litz wire

### Your advantages

- ✓ Pre-assembled with litz wires for immediate use
- ✓ Customer-specific assemblies and litz wire lengths available
- ✓ Sealed on the litz wire side for optimum leak-tightness
- ✓ Standard pin assignments and codings for signal transmission with a uniform design-in design



### Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 554398
GTIN	4046356554398
Weight per Piece (excluding packing)	20.000 g
Custom tariff number	85444290
Country of origin	Germany

### Technical data

#### Dimensions

Length of cable	0.5 m
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#### Ambient conditions

Ambient temperature (operation)	-25 °C ... 85 °C (Socket)
	-25 °C ... 85 °C (Socket)

# Device connector, rear mounting - SACC-DSI-M 8FS-6CON-M12/0,5 - 1453465

## Technical data

### Ambient conditions

Degree of protection	IP67
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### General

Rated current at 40°C	1.5 A
Rated voltage	30 V AC
	30 V DC
Rated surge voltage	0.8 kV
Number of positions	6
Insulation resistance	≥ 100 MΩ
Coding	A - standard
Standards/regulations	M8 connector IEC 61076-2-104
Status display	No
Overvoltage category	II
Degree of pollution	3
Connection method	Individual wires
Torque	1 Nm ... 1.5 Nm (Installation-side)
Mounting type	Rear mounting M12 x 1 With flat nut
Thread type	M12 x 1

### Material

Flammability rating according to UL 94	HB
Contact material	Cu alloy
Contact surface material	Au
Contact carrier material	PUR / PA 6.6
Material, knurls	Nickel-plated brass
Sealing material	FKM
Additional material specifications	EP (Grout material)

### Cable

Cable type	PVC litz wire
Conductor cross section	0.14 mm <sup>2</sup>
AWG signal line	26
Conductor structure signal line	7x 0.16 mm
Core diameter including insulation	1.3 mm ±0.1 mm
Thickness, insulation	0.38 mm
Wire colors	Black, brown, blue, white, gray, pink
Material conductor insulation	PVC / UL
Conductor material	Tin-plated Cu litz wires

# Device connector, rear mounting - SACC-DSI-M 8FS-6CON-M12/0,5 - 1453465

## Technical data

### Cable

Standards/specifications	M8 connector IEC 61076-2-104
Insulation resistance	$\geq 20 \text{ M}\Omega \cdot \text{km}$
Conductor resistance	$\geq 80 \text{ }\Omega/\text{km}$
Nominal voltage, cable	300 V
Test voltage, cable	2000 V AC
Ambient temperature (operation)	-40 °C ... 105 °C (cable, fixed installation)
	-10 °C ... 105 °C (cable, flexible installation)

### Standards and Regulations

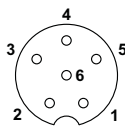
Standards/specifications	M8 connector IEC 61076-2-104
Flammability rating according to UL 94	HB

### Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 25;
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

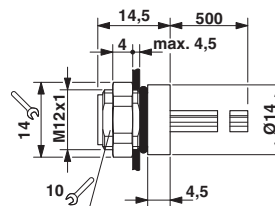
## Drawings

Schematic diagram



Pin assignment M8 socket, 6-pos.

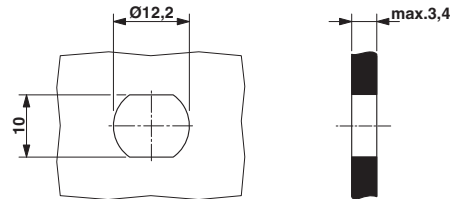
Dimensional drawing



M8 flush-type socket

# Device connector, rear mounting - SACC-DSI-M 8FS-6CON-M12/0,5 - 1453465

Dimensional drawing



Housing cutout for M8 flush-type connector, socket, one-section

## Classifications

eCl@ss

eCl@ss 10.0.1	27440102
eCl@ss 11.0	27440102
eCl@ss 4.0	27260700
eCl@ss 4.1	27260700
eCl@ss 5.0	27260700
eCl@ss 5.1	27260700
eCl@ss 6.0	27279200
eCl@ss 7.0	27440103
eCl@ss 9.0	27440102

ETIM

ETIM 3.0	EC002061
ETIM 4.0	EC002061
ETIM 6.0	EC002061

UNSPSC

UNSPSC 6.01	31251501
UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	39121413
UNSPSC 18.0	39121413
UNSPSC 19.0	39121413
UNSPSC 20.0	39121413
UNSPSC 21.0	39121413

# Device connector, rear mounting - SACC-DSI-M 8FS-6CON-M12/0,5 - 1453465

## Approvals

### Approvals

Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

### Approval details

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>	FILE E 221474
Nominal voltage UN		30 V	
Nominal current IN		1.5 A	
mm <sup>2</sup> /AWG/kcmil		26	

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>	FILE E 221474
Nominal voltage UN		30 V	
Nominal current IN		1.5 A	
mm <sup>2</sup> /AWG/kcmil		26	

EAC		B.01687
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cULus Recognized	
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