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Flush-type connector - SACC-DSI-M12MS-17P-M16XL/0,5 - 1411597

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Flush-type connector, Universal, 17-position, Plug, M12, A-coded, Rear mounting, M16 x 1.5, Individual wires, cable length: 0.5 m

The figure shows the 12-pos. product version

Your advantages

- ☑ Easy-to-install, optimized XL housing contour with wrench size 19
- ☑ Mechanical tightening limitation for long-term-stable gasket
- ☑ 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
- ☑ 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

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	4 046356 935975
GTIN	4046356935975

Technical data

Dimensions

Length of cable	0.5 m

Ambient conditions

Ambient temperature (operation)	-25 °C ... 85 °C (Plug / socket)
Degree of protection	IP65/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

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Technical data

General

	a protective cap > IP54. Influences arising from litz wires, cables or PCB assembly must also be taken into consideration.
Rated current at 40°C	1.5 A
Rated voltage	30 V
Rated surge voltage	0.8 kV
Number of positions	17
Insulation resistance	≥ 100 MΩ
Coding	A - standard
Standards/regulations	M12 connector IEC 61076-2-101
Signal type/category	Universal
Status display	No
Overvoltage category	II
Degree of pollution	3
Connection method	Individual wires
Insertion/withdrawal cycles	> 100
Torque	0.8 Nm ... 1.3 Nm (Installation-side)
Mounting type	Rear mounting M16 x 1.5 With flat nut
Assembly instructions	Tightening limitation

Material

Flammability rating according to UL 94	V0
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 6.6
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	FKM

Cable

Cable type	TPE litz wire
Conductor cross section	0.14 mm²
AWG signal line	26
Wire colors	brown, blue, white, green, pink, yellow, black, gray, red, violet, gray/pink, red/blue, white/green, brown/green, white/yellow, yellow/brown, white/gray
Material conductor insulation	TPE
Conductor material	Tin-plated Cu litz wires
Standards/specifications	M12 connector IEC 61076-2-101
Ambient temperature (operation)	-40 °C ... 85 °C (cable, fixed installation)
	-25 °C ... 85 °C (cable, flexible installation)

Standards and Regulations

Standard designation	M12 connector
Standards/regulations	IEC 61076-2-101

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Technical data
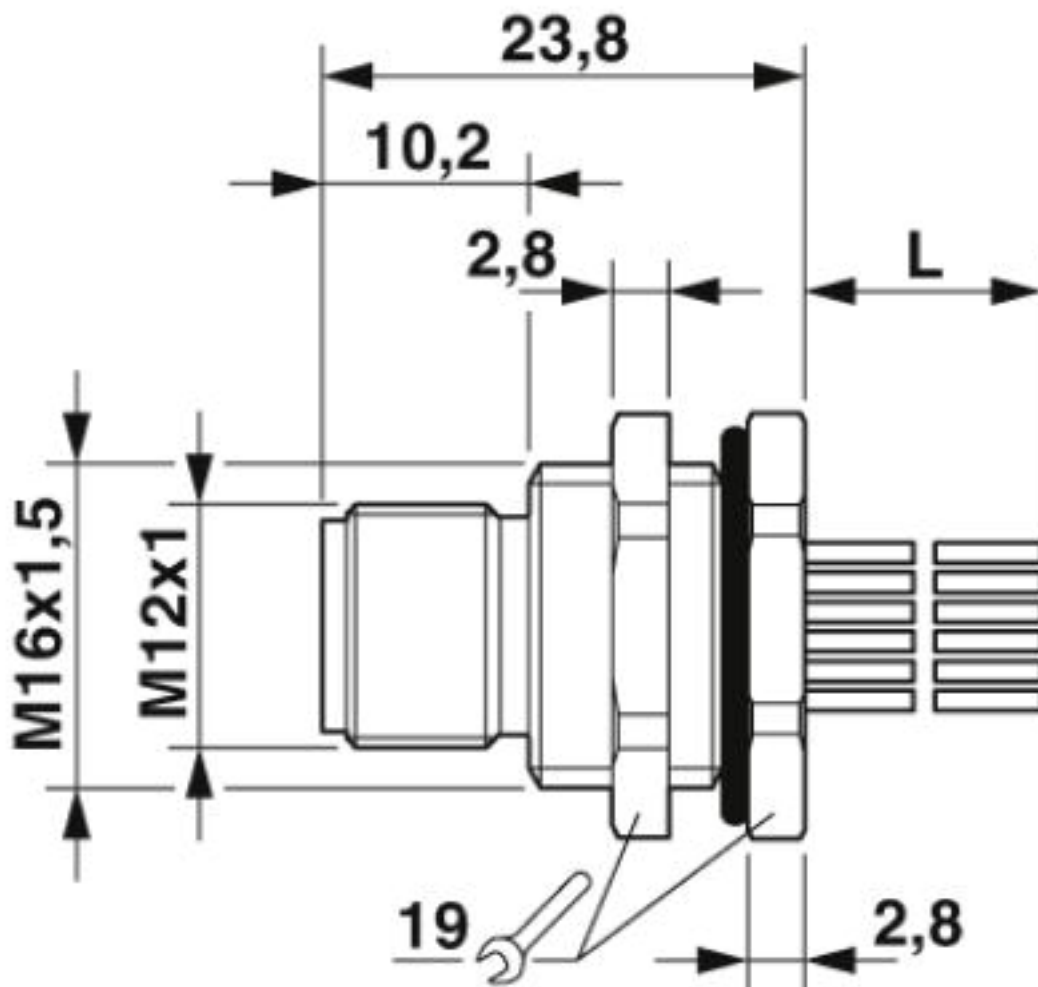
Standards and Regulations

Flammability rating according to UL 94	V0

Environmental Product Compliance

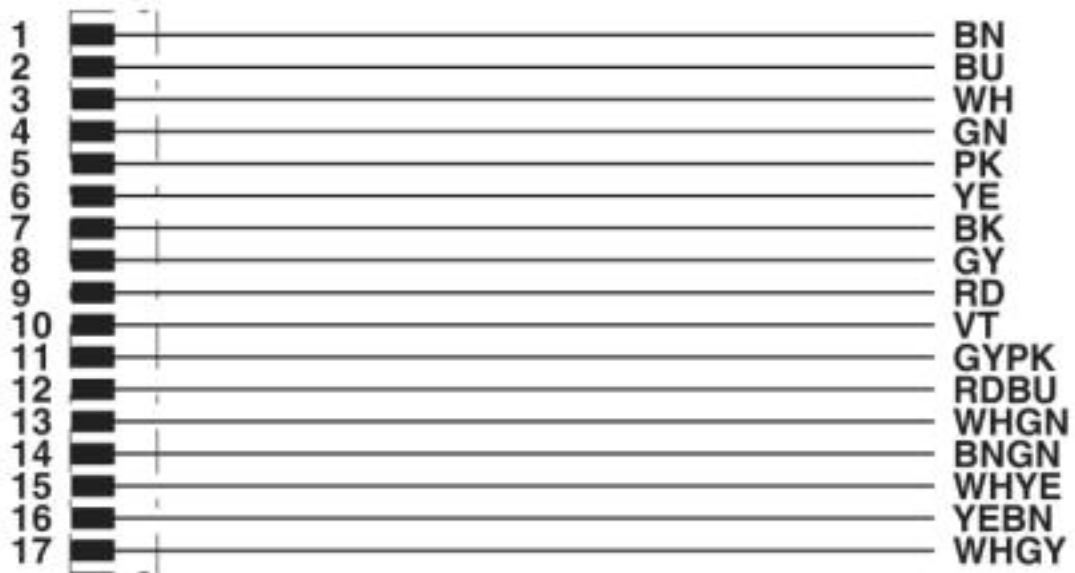|	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Dimensional drawing

M12 flush-type plug

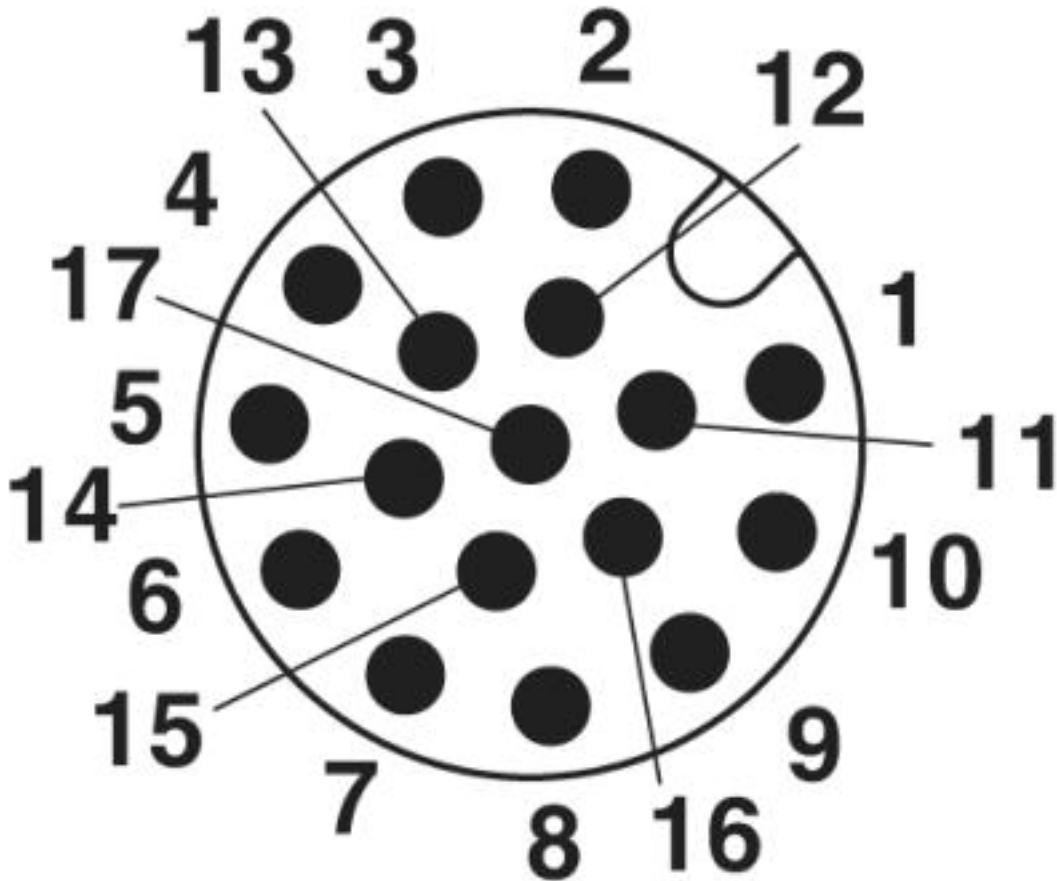# Flush-type connector - SACC-DSI-M12MS-17P-M16XL/0,5 - 1411597

Circuit diagram

Pin	Color
1	BN
2	BU
3	WH
4	GN
5	PK
6	YE
7	BK
8	GY
9	RD
10	VT
11	GYPK
12	RDBU
13	WHGN
14	BNGN
15	WHYE
16	YEBN
17	WHGY

Contact assignment of the M12 plug

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Schematic diagram

Pin assignment M12 male connector, 17-pos., male side view

Approvals

Approvals

Approvals

EAC / cULus Recognized

Ex Approvals

Approval details

EAC	EAC	B.01742

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Approvals

cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm E221474-20140616
Nominal voltage UN		30 V
Nominal current IN		1.5 A
mm²/AWG/kcmil		26

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