

# Flush-type connector - SACC-E-M12FST-4CON-M16/0,5 - 1424138

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Flush-type connector, Power, 4-position, Socket, M12, T power, Front mounting, M16 x 1.5, Individual wires, cable length: 0.5 m

## Your advantages

- For compact devices: transmit high power in a confined space
- 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
- For high transmission safety: shield connection to the housing with optional EMC nut



## Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4046356693400

## Technical data

### Dimensions

Length of cable	0.5 m
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### 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 a protective cap > IP54. Influences arising from litz wires, cables or PCB assembly must also be taken into consideration.
Rated current at 40°C	12 A
Rated voltage	63 V

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## Technical data

### General

Rated surge voltage	1.5 kV
Number of positions	4
Insulation resistance	≥ 100 MΩ
Coding	T power
Standards/regulations	M12 connector IEC 61076-2-111 In line with
Signal type/category	Power
Status display	No
Overvoltage category	III
Degree of pollution	3
Test voltage	1.5 kV
Connection method	Individual wires
Insertion/withdrawal cycles	> 100
Torque	M12 connector
Mounting type	Front mounting M16 x 1.5

### Material

Flammability rating according to UL 94	V0
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA
Material, knurls	CuZn alloy, nickel-plated
Sealing material	FKM
Additional material specifications	PU 2K (Grout material)

### Cable

Cable type	UL/cUL stranded hook-up wire
Conductor cross section	1.31 mm <sup>2</sup>
AWG signal line	16
Core diameter including insulation	2 mm
Wire colors	Black, brown, blue, white
Material conductor insulation	mPPE
Conductor material	Bare Cu litz wires
Standards/specifications	M12 connector IEC 61076-2-111 In line with
Flame resistance	in acc. to UL 1581 VW1
Halogen-free	yes
Ambient temperature (operation)	-40 °C ... 105 °C (cable, fixed installation)
	-20 °C ... 105 °C (cable, flexible installation)

### Standards and Regulations

Standard designation	M12 connector
Standards/regulations	IEC 61076-2-111
Flame resistance	in acc. to UL 1581 VW1

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## Technical data

### Standards and Regulations

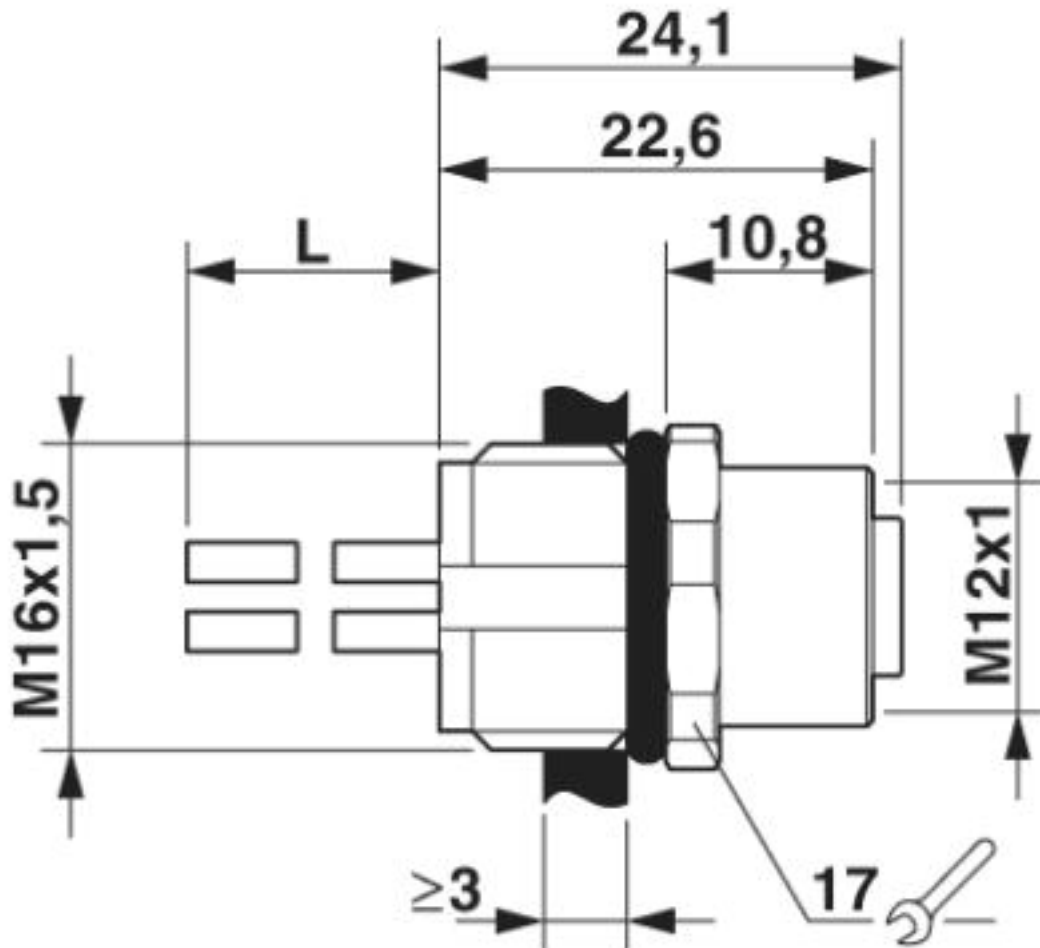
Halogen-free	yes
Flammability rating according to UL 94	V0

### 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

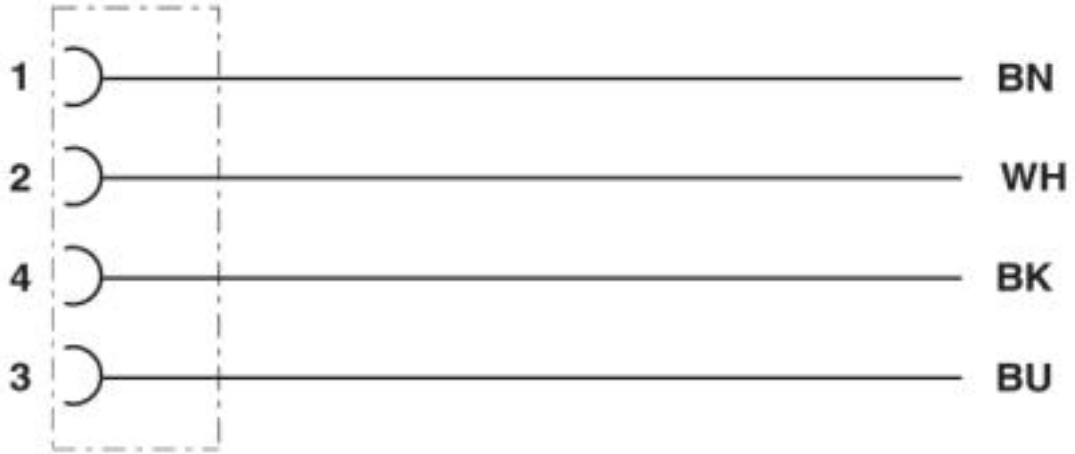
Dimensional drawing



M12 flush-type socket

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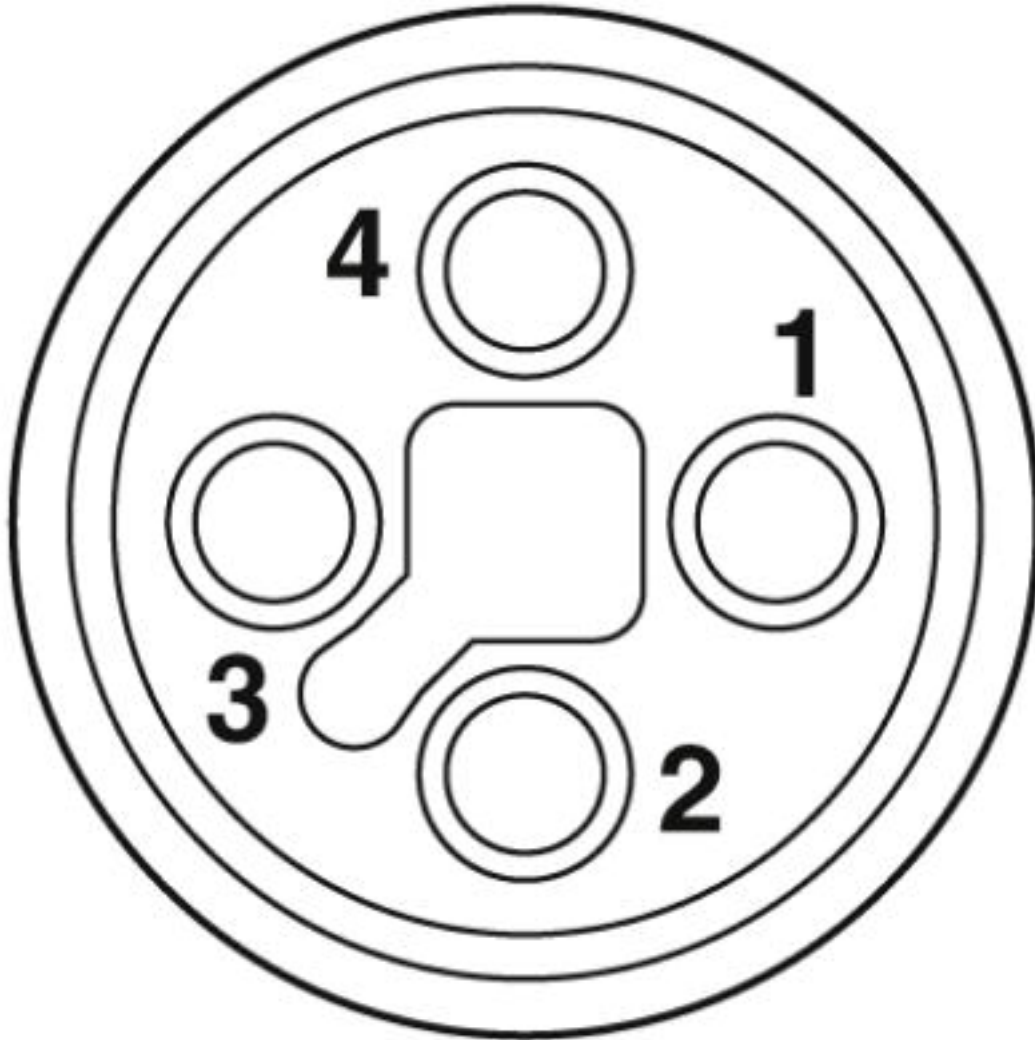
Circuit diagram



Contact assignment of the M12 socket

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Schematic diagram



Pin assignment of M12 socket, 4-pos., T-coded, socket side view

## Approvals

Approvals

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Approvals

cUL Listed / EAC

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Ex Approvals


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## Approval details

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## Approvals

cUL Listed		<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 468743
Nominal voltage UN		63 V	
Nominal current IN		12 A	
mm <sup>2</sup> /AWG/kcmil		16	

EAC		B.01742
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