

# Flush-type connector - SACC-CI-M12FS-17CON-L90



1424197

<https://www.phoenixcontact.com/us/products/1424197>

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Sensor/actuator flush-type socket, 17-pos. without shroud, A-coded, with angled solder connection, contact insert only

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## Your advantages

- Reduced mounting costs thanks to two-piece device connector
- All common pin assignments and codings available
- Easy device integration thanks to mechanical port screw connections with threaded attachment, press-in contour or direct integration in the front plate

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## Commercial Data

Item number	1424197
Packing unit	1 pc
Minimum order quantity	20 pc
Sales Key	A11
Product Key	ABQCBD
Catalog Page	Page 253 (C-2-2013)
GTIN	4046356692915
Weight per Piece (including packing)	6.924 g
Weight per Piece (excluding packing)	6.46 g
Customs tariff number	85366990
Country of origin	DE

## Technical Data

### Notes

Notes on operation	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.
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### Product properties

Product type	Contact insert
Number of positions	17
Coding	A - standard

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Electrical properties

Rated surge voltage	0.8 kV
Contact resistance	$\leq 3 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$
Nominal voltage $U_N$	30 V
Nominal current $I_N$	1.5 A

### LED signaling

Status display	No
Status display present	No

### Material specifications

Flammability rating according to UL 94	V0
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA6T

### Connector

Insertion/withdrawal cycles	> 100
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### Environmental and real-life conditions

#### Ambient conditions

Degree of protection	IP67
Degree of protection	IP67, when in locked state
Ambient temperature (operation)	-25 °C ... 85 °C (Plug / socket)
	-40 °C ... 85 °C (without mechanical actuation)

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## Standards and regulations

M12

Standards/specifications	IEC 61076-2-101
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## Mounting

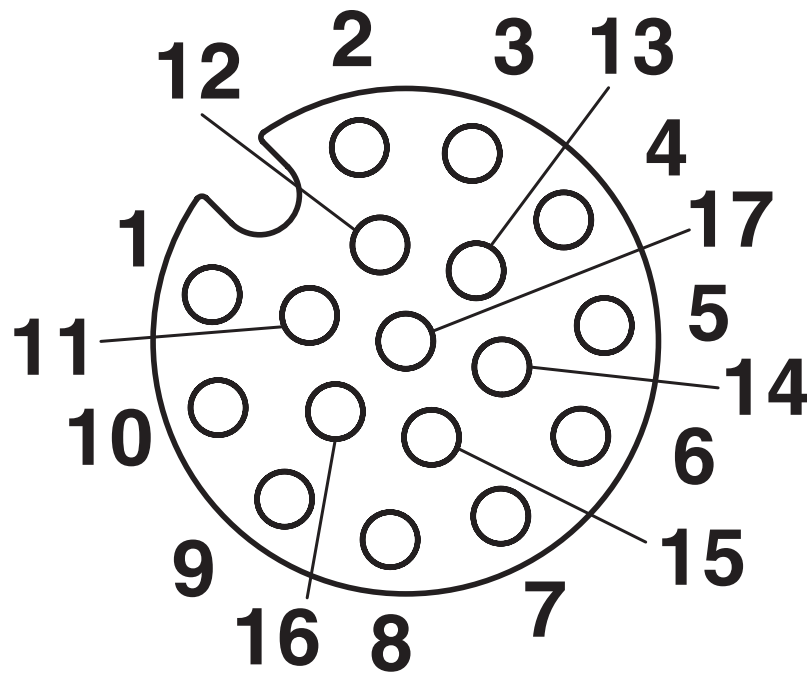
Mounting type	PCB mounting
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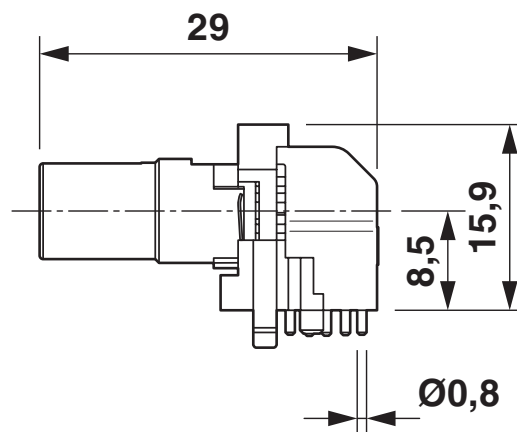
## Drawings

Schematic diagram



Pin assignment M12, 12-pos., female side view

Dimensional drawing



M12 socket, angled


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## Approvals

 <b>UL Recognized</b> Approval ID: FILE E 118976	Nominal Voltage $U_N$	Nominal Current $I_N$	Cross Section AWG	Cross Section $\text{mm}^2$
	30 V	1.5 A	- 26	-

 <b>EAC</b> Approval ID: B.01687
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## Classifications

### ECLASS

ECLASS-9.0	27440102
ECLASS-10.0.1	27440102
ECLASS-11.0	27440102

### ETIM

ETIM 8.0	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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## Accessories

### Screw plug

Screw plug - PROT-M12 - 1680539

<https://www.phoenixcontact.com/us/products/1680539>



An M12 screw plug for the unoccupied M12 sockets of the sensor/actuator cable, boxes and flush-type connectors

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### Housing screw connection

Housing screw connection - SACC-M12-SCO NUT - 1552243

<https://www.phoenixcontact.com/us/products/1552243>



M12 SPEEDCON housing screw connection for M12 female inserts, with O-ring, for all SPEEDCON-capable THR and wave soldering contact carriers

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## Screw plug

Screw plug - PROT-M12 SH - 1503302

<https://www.phoenixcontact.com/us/products/1503302>



An M12 screw plug for the unoccupied M12 sockets of the shielded sensor/actuator cable, boxes and flush-type connectors

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## Housing screw connection

Housing screw connection - SACC-DSIV-M12-NUT - 1416144

<https://www.phoenixcontact.com/us/products/1416144>



Housing screw connection with M12 standard thread, with O-ring, for the two-piece straight M12 THR contact carrier and for the two-piece angled M12 contact carrier

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## Screw plug

Screw plug - PROT-M12 FB - 1555538

<https://www.phoenixcontact.com/us/products/1555538>



M12 high-grade steel screw plug, for unoccupied M12 sockets of the sensor/actuator cables, boxes and flush-type connectors for the food industry

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## Housing screw connection

Housing screw connection - SACC-M12-SCO NUT L 90 - 1432460

<https://www.phoenixcontact.com/us/products/1432460>



M12-SPEEDCON housing screw connection for M12 female inserts, with flat gasket, for all Speedcon-compatible THR and wave soldering contact carriers

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## Housing screw connection

Housing screw connection - SACC-BP-F-M12/M15-6-THR - 1414004

<https://www.phoenixcontact.com/us/products/1414004>



Housing screw connection, Socket, M12, Rear mounting, M15 x 1

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## Housing screw connection

Housing screw connection - SACC-BP-F-M12/M15-7-THR - 1414003

<https://www.phoenixcontact.com/us/products/1414003>



Housing screw connection, Socket, M12, Rear mounting, M15 x 1

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## Housing screw connection

Housing screw connection - SACC-BP-F-M12/M15-6-THR SCO - 1414020

<https://www.phoenixcontact.com/us/products/1414020>



Housing screw connection, Socket, M12-SPEEDCON, Rear mounting, M15 x 1

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## Housing screw connection

Housing screw connection - SACC-BP-F-M12/M15-7-THR SCO - 1414005

<https://www.phoenixcontact.com/us/products/1414005>



Housing screw connection, Socket, M12-SPEEDCON, Rear mounting, M15 x 1

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## Housing screw connection

Housing screw connection - SACC-M12 NUT PRESS - 1437889

<https://www.phoenixcontact.com/us/products/1437889>



Housing screw connection for two-piece M12 connectors for the reflow soldering process.

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## Housing screw connection

Housing screw connection - SACC-BP-F-M12-THR PP - 1027662

<https://www.phoenixcontact.com/us/products/1027662>



Housing screw connection, Socket, M12-Push-Pull, Rear mounting, M16, THR- und Wellenlötkontakte

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## Housing screw connection

Housing screw connection - SACC-FP-F-M12-THR PP - 1027678

<https://www.phoenixcontact.com/us/products/1027678>



Housing screw connection, Socket, M12-Push-Pull, Front mounting, M14 x 1, THR- und Wellenlötkontakte

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