

Flush-type connector - SACC-CI-M12MS-17CON-L90 SH



1424200

<https://www.phoenixcontact.com/pc/products/1424200>

Please be informed that the data shown in this PDF document is generated from our Online Catalog. Please find the complete data in the user documentation. Our General Terms of Use for Downloads are valid.



Sensor/actuator flush-type plug, 17-pos. with shroud, A-coded, with angled solder connection, contact insert only

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

Flush-type connector - SACC-CI-M12MS-17CON-L90 SH



1424200

<https://www.phoenixcontact.com/pc/products/1424200>

Commercial Data

Item number	1424200
Packing unit	20 pc
Minimum order quantity	1 pc
Note	Made to Order (non-returnable)
Product Key	ABQCBC
Catalog Page	Page 253 (C-2-2013)
GTIN	4046356692946
Weight per Piece (including packing)	6.89 g
Weight per Piece (excluding packing)	6.52 g
Customs tariff number	85366990
Country of origin	DE

Flush-type connector - SACC-CI-M12MS-17CON-L90 SH



1424200

<https://www.phoenixcontact.com/pc/products/1424200>

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.
--------------------	--

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
-----------------------------	-------

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)

Flush-type connector - SACC-CI-M12MS-17CON-L90 SH



1424200

<https://www.phoenixcontact.com/pc/products/1424200>

Standards and regulations

M12

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

Mounting

Mounting type	PCB mounting
---------------	--------------

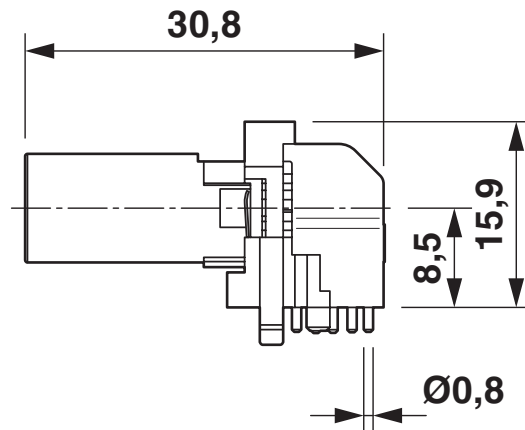
Flush-type connector - SACC-CI-M12MS-17CON-L90 SH

1424200

<https://www.phoenixcontact.com/pc/products/1424200>

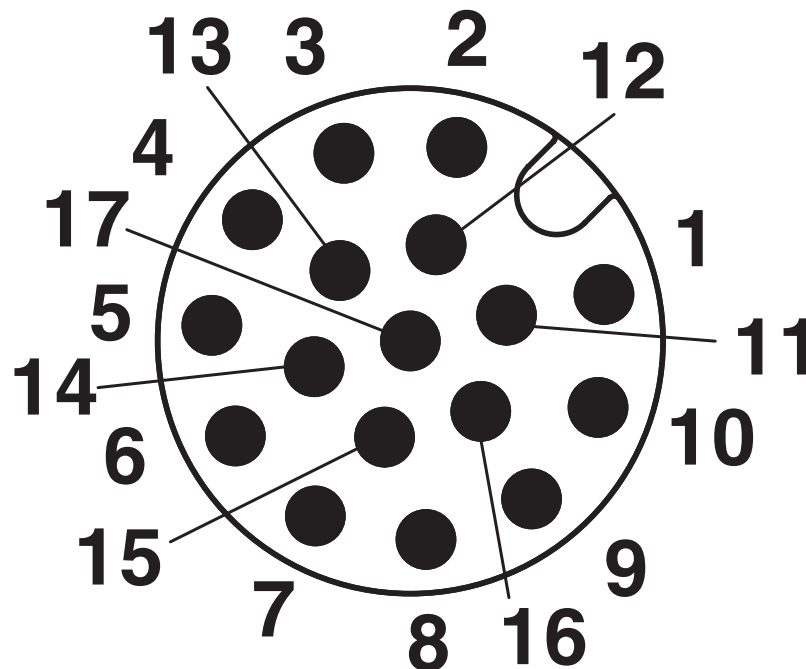
Drawings

Dimensional drawing



M12 flush-type male connector, angled

Schematic diagram



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


Flush-type connector - SACC-CI-M12MS-17CON-L90 SH




1424200

<https://www.phoenixcontact.com/pc/products/1424200>

Approvals

	UL Recognized Approval ID: FILE E 118976			
	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
	30 V	1.5 A	- 26	-

	EAC Approval ID: B.01687
---	------------------------------------

Flush-type connector - SACC-CI-M12MS-17CON-L90 SH



1424200

<https://www.phoenixcontact.com/pc/products/1424200>

Classifications

ECLASS

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

ETIM

ETIM 8.0	EC002635
----------	----------

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

Flush-type connector - SACC-CI-M12MS-17CON-L90 SH



1424200

<https://www.phoenixcontact.com/pc/products/1424200>

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"

Flush-type connector - SACC-CI-M12MS-17CON-L90 SH



1424200

<https://www.phoenixcontact.com/pc/products/1424200>

Accessories

Sealing cap

Sealing cap - PROT-M12 FS - 1560251

<https://www.phoenixcontact.com/pc/products/1560251>



M12 sealing cap for unoccupied M12 plugs of the sensor/actuator cable, flush-type plugs and I/O devices in the field

Housing screw connection

Housing screw connection - SACC-M12-SCO PLUG - 1551493

<https://www.phoenixcontact.com/pc/products/1551493>



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

Flush-type connector - SACC-CI-M12MS-17CON-L90 SH



1424200

<https://www.phoenixcontact.com/pc/products/1424200>

Sealing cap

Sealing cap - PROT-M12 FS-M - 1430488

<https://www.phoenixcontact.com/pc/products/1430488>



M12 metal sealing cap for unoccupied M12 plugs of the sensor/actuator cable, flush-type plugs and I/O devices in the field

Housing screw connection

Housing screw connection - SACC-DSIV-M12-PLUG - 1416145

<https://www.phoenixcontact.com/pc/products/1416145>



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

Flush-type connector - SACC-CI-M12MS-17CON-L90 SH

1424200

<https://www.phoenixcontact.com/pc/products/1424200>

Seal

Seal - SACC-DSIV-M12MS-SEAL - 1405751

<https://www.phoenixcontact.com/pc/products/1405751>



O-ring 7.5 x 1 mm

Housing screw connection

Housing screw connection - SACC-M12-SCO PLUG L90 - 1436709

<https://www.phoenixcontact.com/pc/products/1436709>



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

Flush-type connector - SACC-CI-M12MS-17CON-L90 SH

1424200

<https://www.phoenixcontact.com/pc/products/1424200>

Housing screw connection

Housing screw connection - SACC-BP-M-M12/M15-6-THR - 1413997

<https://www.phoenixcontact.com/pc/products/1413997>



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

Housing screw connection

Housing screw connection - SACC-BP-M-M12/M15-7-THR - 1413996

<https://www.phoenixcontact.com/pc/products/1413996>



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

Flush-type connector - SACC-CI-M12MS-17CON-L90 SH



1424200

<https://www.phoenixcontact.com/pc/products/1424200>

Housing screw connection

Housing screw connection - SACC-BP-M-M12/M15-6-THR SCO - 1413999

<https://www.phoenixcontact.com/pc/products/1413999>



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

Housing screw connection

Housing screw connection - SACC-BP-M-M12/M15-7-THR SCO - 1413998

<https://www.phoenixcontact.com/pc/products/1413998>



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

Flush-type connector - SACC-CI-M12MS-17CON-L90 SH

1424200

<https://www.phoenixcontact.com/pc/products/1424200>

Housing screw connection

Housing screw connection - SACC-M12 PLUG PRESS - 1437892

<https://www.phoenixcontact.com/pc/products/1437892>



M12 pin, housing screw connection, press-in version, for all Speedcon-compatible THR and wave soldering contact carriers

Housing screw connection

Housing screw connection - SACC-DSIV-M12-PLUG-9 THR - 1417984

<https://www.phoenixcontact.com/pc/products/1417984>



M12 pin, front mounting THR with M14 screw fastening

Flush-type connector - SACC-CI-M12MS-17CON-L90 SH



1424200

<https://www.phoenixcontact.com/pc/products/1424200>

Housing screw connection

Housing screw connection - SACC-BP-M-M12-THR PP - 1027661

<https://www.phoenixcontact.com/pc/products/1027661>



Housing screw connection, Plug, M12-Push-Pull, Rear mounting, M15 x 1, THR- und Wellenlötkontakte

Housing screw connection

Housing screw connection - SACC-FP-M-M12-THR PP - 1027679

<https://www.phoenixcontact.com/pc/products/1027679>



Housing screw connection, Plug, M12-Push-Pull, Front mounting, THR- und Wellenlötkontakte

Phoenix Contact 2022 © - all rights reserved
<https://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstraße 8
D-32825 Blomberg
+49 (0) 5235-3 00
info@phoenixcontact.com