SACC-CI-M12FS-12CON-L90 - Contact carrier

1424195

https://www.phoenixcontact.com/us/products/1424195

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Contact carrier, 12-position, Socket, angled, M12, coding: A, PCB mounting, Wave soldering, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239452

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
- Additional gasket for the device when not plugged in

Commercial data

Item number	1424195
Packing unit	20 pc
Minimum order quantity	20 pc
Sales key	AB23
Product key	ABQAHS
Catalog page	Page 253 (C-2-2013)
GTIN	4046356692892
Weight per piece (including packing)	6.27 g
Weight per piece (excluding packing)	6.01 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.

Product properties

Product type	Contact insert
Application	Signal
Number of positions	12
Seal present	yes
Shielded	no
Coding	A
Thread type	M12

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	0.8 kV
Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U_N	30 V
Nominal current I_N	1.5 A

Connection data

Connection method	Wave soldering

Signaling

Status display	No
Status display present	No

Material specifications

Flammability rating according to UL 94	V0
Seal material	FKM
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 6T

Connector

Connection 1

Head design	Socket
Head cable outlet	angled
Head thread type	M12
Coding	A

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	> 100

Environmental and real-life conditions

Ambient conditions

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

Standards and regulations

M12

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

Mounting

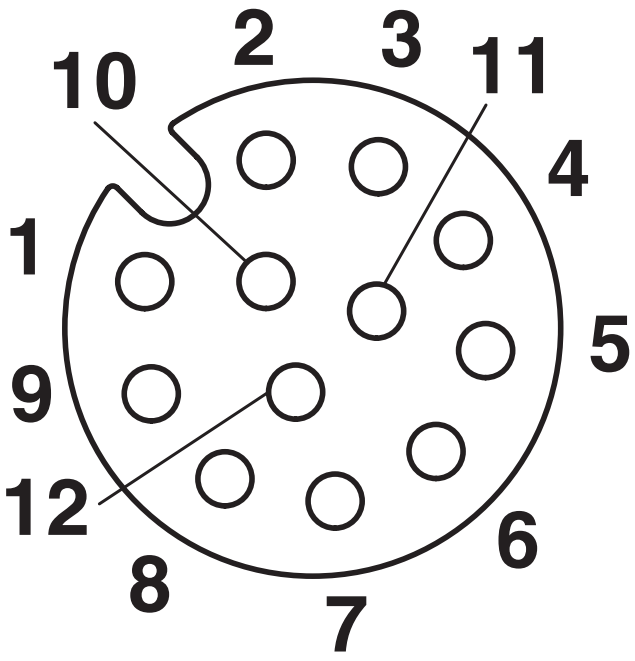
Mounting type	PCB mounting

Packaging specifications

Type of packaging	Blister

Drawings

Schematic diagram



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

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1424195

UL Recognized
Approval ID: E118976-20100522

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	30 V	1.5 A	26 - 26	-

Classifications

ECLASS

ECLASS-11.0	27440102
ECLASS-12.0	27440116
ECLASS-13.0	27440116

ETIM

ETIM 9.0	EC002635

UNSPSC

UNSPSC 21.0	39121400

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	ba8186df-543f-4f30-a6e2-2437c6e772bc

Accessories

PROT-M12 - Screw plug

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

PROT-M12 SH - Screw plug

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

PROT-M12 FB - Screw plug

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

SACC-M12-SCO NUT - Housing screw connection

1552243

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



Housing screw connection, Socket, M12-SPEEDCON, Front mounting, M12 x 1, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0. 1 %) item no.: 1237399

SACC-DSIV-M12-NUT - Housing screw connection

1416144

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



Housing screw connection, Pin, M12, Front mounting, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239107

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

1432460

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



Housing screw connection, M12-SPEEDCON, Front mounting, M12 x 1, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1237409

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

1414004

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



Housing screw connection, Socket, M12, Rear mounting, M15 x 1, THR solder connection, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239056

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

1414003

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



Housing screw connection, Socket, M12, Rear mounting, M15 x 1, THR solder connection, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239055

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

1414020

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



Housing screw connection, Socket, M12-SPEEDCON, Rear mounting, M15 x 1, THR solder connection, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239057

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

1414005

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



Housing screw connection, Socket, M12-SPEEDCON, Rear mounting, M15 x 1, THR solder connection, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1237398

SACC-BP-F-M12/THR-1,0/1,8-9TIP - Housing screw connection

1419630

https://www.phoenixcontact.com/us/products/1419630



M12 threaded sleeve with tolerance-compensating function, for straight, THR solderable M12 socket contact inserts. Suitable for 1.0 mm ... 1.8 mm thick front plates.

SACC-BP-F-M12/THR-1,7/2,5-9TIP - Housing screw connection

1419631

https://www.phoenixcontact.com/us/products/1419631



M12 threaded sleeve with tolerance-compensating function, for straight, THR solderable M12 socket contact inserts. Suitable for 1.7 mm ... 2.5 mm thick front plates.

SACC-BP-F-M12/THR-2,4/3,2-9TIP - Housing screw connection

1419633

https://www.phoenixcontact.com/us/products/1419633



M12 threaded sleeve with tolerance-compensating function, for straight, THR solderable M12 socket contact inserts. Suitable for 2.4 mm ... 3.2 mm thick front plates.

SACC-BP-F-M12/THR-3,1/3,9-9TIP - Housing screw connection

1419634

https://www.phoenixcontact.com/us/products/1419634



M12 threaded sleeve with tolerance-compensating function, for straight, THR solderable M12 socket contact inserts. Suitable for 3.1 mm ... 3.9 mm thick front plates.

SACC-M12 NUT PRESS - Housing screw connection

1437889

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



Housing screw connection, Socket, M12, Front mounting, THR solder connection, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1237410

SACC-DSIV-M12-NUT-9 THR - Housing screw connection

1417989

https://www.phoenixcontact.com/us/products/1417989



Housing screw connection, Front mounting, THR solder connection, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239181

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

1027662

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



Housing screw connection, Socket, M12-Push-pull external locking, Rear mounting, M16, THR- und Wellenlötkontakte, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

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

1027678

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



Housing screw connection, Socket, M12-Push-pull external locking, Front mounting, M14 x 1, THR- und Wellenlötkontakte, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

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