

Flush-type connector - SACC-CI-M12MS- 4CON-SH TOR 32



1457500

<https://www.phoenixcontact.com/pc/products/1457500>

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Flush-type connector, 4-position, Plug, straight, M12, A-coded, PCB mounting, THR solder connection

Your advantages

- Reduced mounting costs thanks to two-piece device connector
- Packaging available for automated pick and place assembly
- 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

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Commercial Data

Item number	1457500
Packing unit	100 pc
Minimum order quantity	100 pc
Note	Made to Order (non-returnable)
Product Key	ABQCBE
Catalog Page	Page 257 (C-2-2013)
GTIN	4046356616249
Weight per Piece (including packing)	6.36 g
Weight per Piece (excluding packing)	6.36 g
Customs tariff number	85366930
Country of origin	DE

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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	4
Shielded	yes
Coding	A - standard

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Electrical properties

Rated surge voltage	2.5 kV
Contact resistance	$\leq 3 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$
Nominal voltage U_N	250 V
Nominal current I_N	4 A

Material specifications

Flammability rating according to UL 94	V0
Sealing material	FKM
Contact material	CuZn
Contact surface material	Ni/Au
Contact carrier material	PA 6.6

Connector

Insertion/withdrawal cycles	> 100
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Header 1

Head design	Plug
Head cable outlet	straight
Head thread type	M12
Coding	A-coded

Environmental and real-life conditions

Ambient conditions

Degree of protection (when plugged in)	IP67 (correctly plugged in and locked)
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Degree of protection	IP67 (correctly plugged in and locked)
Degree of protection	IP67, when plugged in
Ambient temperature (operation)	-25 °C ... 85 °C
	-40 °C ... 85 °C (without mechanical actuation)

Standards and regulations

M12

Standards/specifications	IEC 61076-2-101
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Mounting

Mounting type	PCB mounting
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Packaging specifications

Type of packaging	Belt
Delivery state	with assembly pad

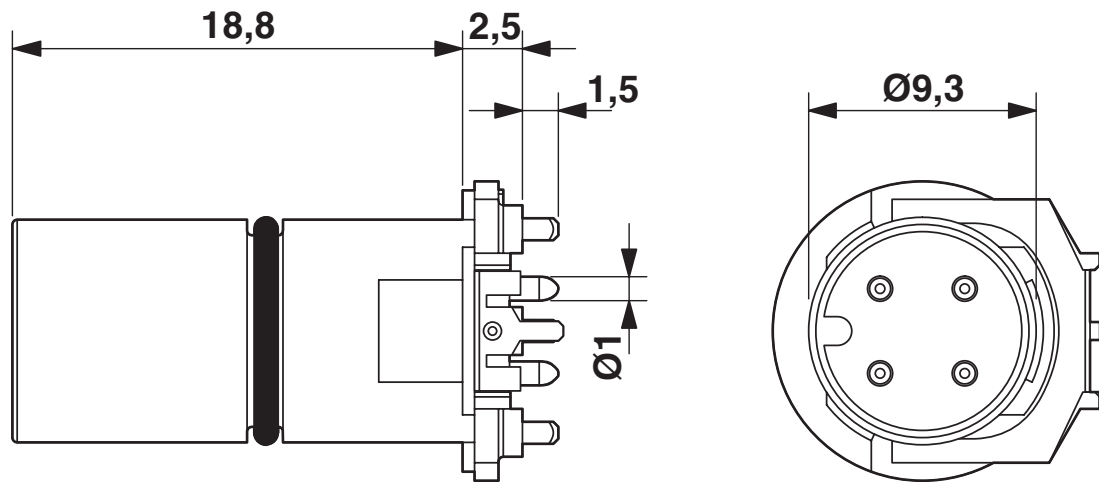
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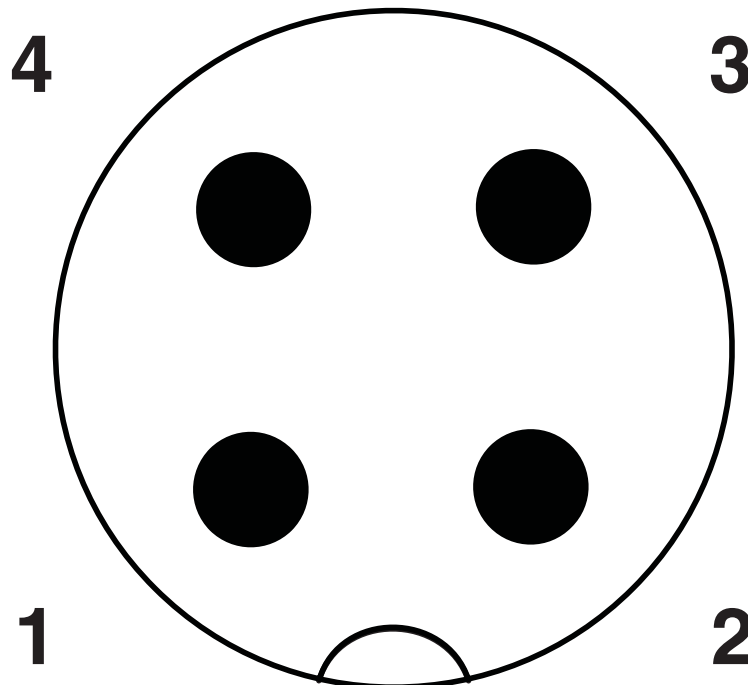
Drawings

Dimensional drawing



M12 male connector contact carrier

Schematic diagram



Pin assignment M12 plug, 4-pos., A-coded, view plug side

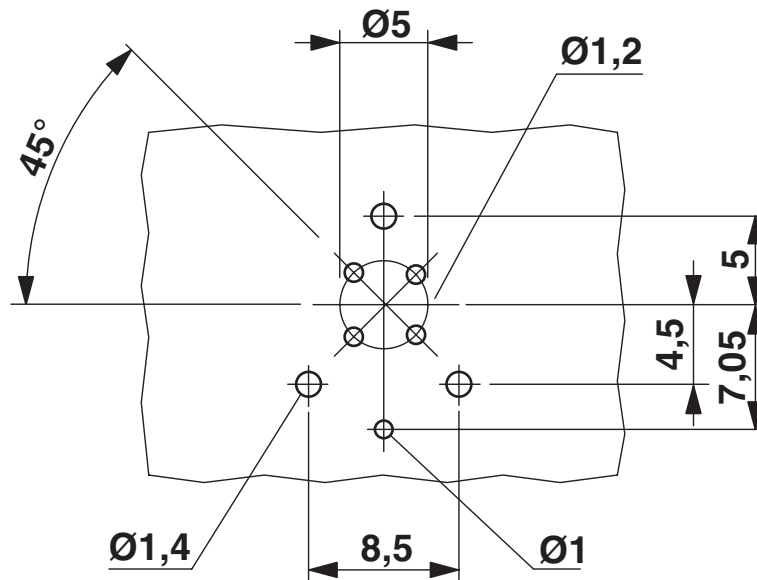
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Drilling plan/solder pad geometry



Drilling diagram

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Approvals

 cUL Recognized Approval ID: FILE E 118976				
	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
	250 V	4 A	- 22	-

 UL Recognized Approval ID: FILE E 118976				
	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
	250 V	4 A	- 22	-

 EAC Approval ID: B.01687				
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 cULus Recognized Approval ID: E221474-20140616				
	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
	250 V	4 A	22 - 20	-

cULus Recognized				
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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

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

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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

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Sample set

Sample set - SACC-CIM12MS4PL180THRSHSAMPLE - 1413549

<https://www.phoenixcontact.com/pc/products/1413549>



Sensor/actuator flush-type connector, connector, 4-pos., shielded, A-coded, with straight THR solder connection, only contact insert

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

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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

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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

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

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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

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M12 pin, front mounting THR with M14 screw fastening

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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

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