SACC-CI-M12MS-5CON-L180 THR - Contact carrier

1552227

https://www.phoenixcontact.com/us/products/1552227

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Contact carrier, 5-position, Pin, straight, M12, coding: A, PCB mounting, THR solder connection, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1237429

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

Commercial data

Item number	1552227
Packing unit	60 pc
Minimum order quantity	60 pc
Sales key	AB23
Product key	ABQAGM
Catalog page	Page 256 (C-2-2013)
GTIN	4046356162081
Weight per piece (including packing)	4.63 g
Weight per piece (excluding packing)	4.002 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	5
Seal present	yes
Shielded	no
Coding	A
Thread type	M12

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	1.5 kV
Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U_N	60 V
Nominal current I_N	4 A

Connection data

Connection method	THR solder connection

Material specifications

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

Connector

Connection 1

Head design	Pin
Head cable outlet	straight
Head thread type	M12

Coding	A

Cable/line

Ambient temperature (operation)	-40 °C ... 85 °C (cable, fixed installation)
	-25 °C ... 85 °C (Cable, flexible installation)

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	> 100

Environmental and real-life conditions

Ambient conditions

Degree of protection (when plugged in)	IP67 (correctly plugged in and locked)
Degree of protection	IP67 (correctly plugged in and locked)
Ambient temperature (operation)	-25 °C ... 85 °C (Plug / socket)
	-40 °C ... 85 °C (without mechanical actuation)
	-25 °C ... 85 °C (Cable, flexible installation)
	-40 °C ... 85 °C (cable, fixed installation)

Standards and regulations

M12

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

Mounting

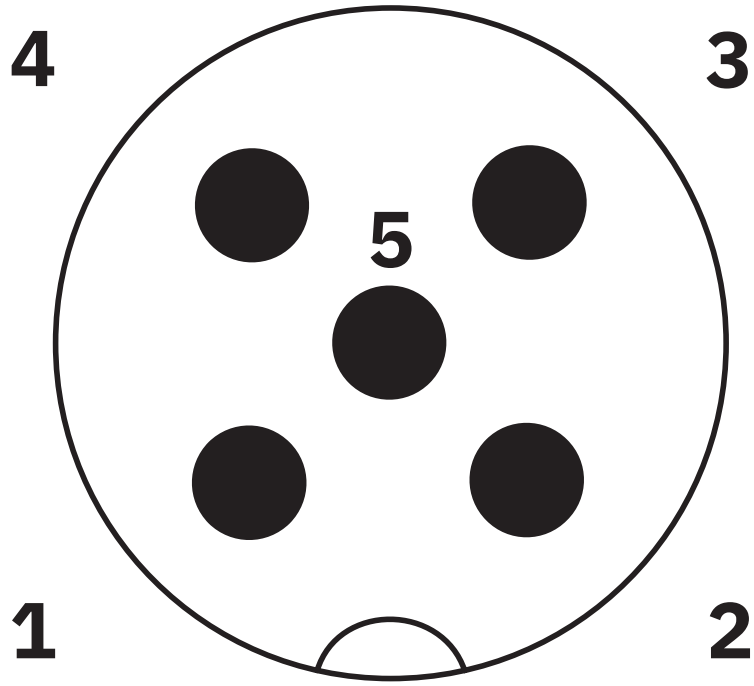
Mounting type	PCB mounting

Packaging specifications

Type of packaging	Tray

Drawings

Schematic diagram



Pin assignment M12 male connector, 5-pos., A-coded, male side

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1552227

cUL Recognized
Approval ID: E118976-20100522

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	60 V	4 A	22 - 22	-

UL Recognized
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	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	60 V	4 A	22 - 22	-

cULus Recognized

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	beaa7886-7c70-40f3-9c0b-f30474e9ff3e

Accessories

PROT-M12 FS - Sealing cap

1560251

https://www.phoenixcontact.com/us/products/1560251



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

PROT-M12 FS-M - Sealing cap

1430488

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

SACC-CIM12MS5PL180THRSHSAMPLE - Contact carrier

1413551

https://www.phoenixcontact.com/us/products/1413551



Sensor/actuator flush-type plug, 5-pos., A-coded, with straight THR solder connection, only contact insert

SACC-M12-SCO PLUG - Housing screw connection

1551493

https://www.phoenixcontact.com/us/products/1551493



Housing screw connection, Pin, M12-SPEEDCON, Front mounting, M12 x 1, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0. 1 %) item no.: 1237430

SACC-DSIV-M12-PLUG - Housing screw connection

1416145

https://www.phoenixcontact.com/us/products/1416145



Housing screw connection, Pin, M12, Rear mounting, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239108

SACC-M12-SCO PLUG L90 - Housing screw connection

1436709

https://www.phoenixcontact.com/us/products/1436709



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.: 1239632

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

1413997

https://www.phoenixcontact.com/us/products/1413997



Housing screw connection, Pin, M12, Rear mounting, M15 x 1, THR solder connection, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239050

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

1413996

https://www.phoenixcontact.com/us/products/1413996



Housing screw connection, Pin, M12, Rear mounting, M15 x 1, THR solder connection, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239049

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

1413999

https://www.phoenixcontact.com/us/products/1413999



Housing screw connection, Pin, 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.: 1239052

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

1413998

https://www.phoenixcontact.com/us/products/1413998



Housing screw connection, Pin, 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.: 1239051

SACC-M12 PLUG PRESS - Housing screw connection

1437892

https://www.phoenixcontact.com/us/products/1437892



Housing screw connection, Pin, M12, Front mounting, THR solder connection, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0. 1 %) item no.: 1239688

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

1417984

https://www.phoenixcontact.com/us/products/1417984



Housing screw connection, Pin, M12, Rear mounting, M14 x 1, THR solder connection, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239180

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

1027661

https://www.phoenixcontact.com/us/products/1027661



Housing screw connection, Pin, M12-Push-pull external locking, Rear mounting, M15 x 1, THR- und Wellenlötkontakte, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

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

1027679

https://www.phoenixcontact.com/us/products/1027679



Housing screw connection, Pin, M12-Push-Pull, Front mounting, THR- und Wellenlötkontakte, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

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