SACC-CI-M12MSS-4CON-L180 TOR PE - Contact carrier

1418343

https://www.phoenixcontact.com/us/products/1418343

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Contact carrier, Universal, 4-position, Plug, straight, M12, coding: S , PCB mounting, THR solder connection, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1239191

Your advantages

- For compact devices: transmit high power in a confined space
- 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	1418343
Packing unit	1 pc
Minimum order quantity	60 pc
Sales key	AB27
Product key	ABQAGP
GTIN	4055626170688
Weight per piece (including packing)	10.316 g
Weight per piece (excluding packing)	10.316 g
Customs tariff number	85366990
Country of origin	DE

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Technical data

Notes

General	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
Sensor type	Universal
Number of positions	4
Application	Power
Seal present	yes
Shielded	no
Coding	S
Thread type	M12

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	6 kV
Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U_N	630 V
Nominal current I_N	12 A

Interfaces

Signal type/category	Universal

Material specifications

Flammability rating according to UL 94	V0
Seal material	FKM
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 4T

Connector

Connection 1

Head design	Plug
Head cable outlet	straight

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Head thread type	M12
Coding	S

Cable/line

Signal type/category	Universal

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)
	IP67
Ambient temperature (operation)	-25 °C ... 105 °C
	-40 °C ... 105 °C (without mechanical actuation)

Standards and regulations

M12

Standard designation	M12 connector

Mounting

Mounting type	PCB mounting
Connection method	THR solder connection

Packaging specifications

Type of packaging	Belt

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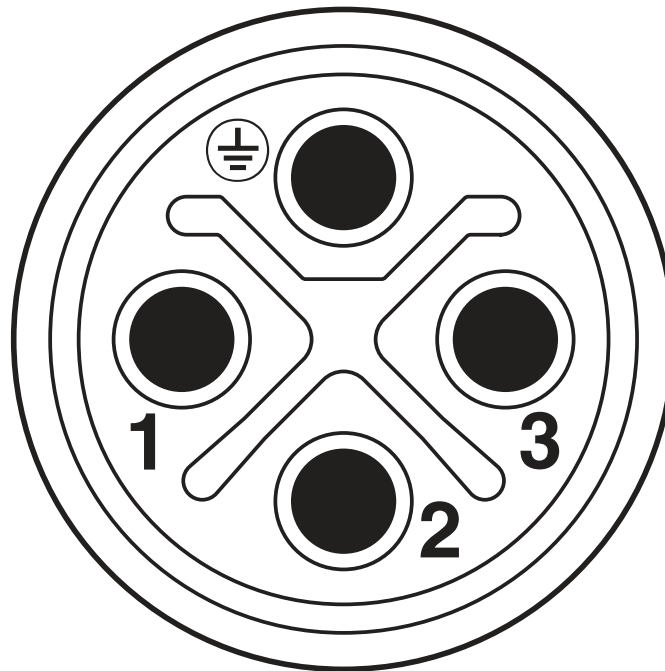1418343

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Drawings

Dimensional drawing
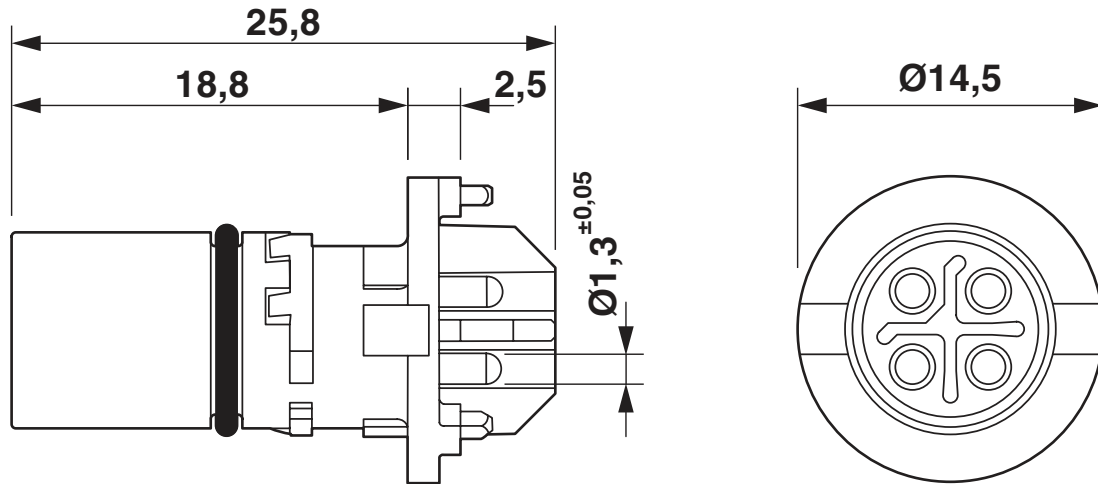
Dimensional drawing

Schematic diagram

Connector pin assignment of M12 plug, 4-pos., S-coded, view of pin side

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1418343

EAC
Approval ID: B.01687

cUL Recognized
Approval ID: E468743-20190917

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	600 V	12 A	- 16	-

UL Recognized
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	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
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cULus Recognized

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Classifications

ECLASS

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

ETIM

ETIM 8.0	EC002635

UNSPSC

UNSPSC 21.0	39121400

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"

Accessories

SACC-CI-M12MSS-4CON-L180THR PE SP - Sample set

1420412

https://www.phoenixcontact.com/us/products/1420412

Sample set, Universal, 4-position, Plug, straight, coding: S , PCB mounting, THR solder connection, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1239308

SACC-M12-SCO PLUG - Housing screw connection

1551493

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

Housing screw connection, Plug, M12-SPEEDCON, Front mounting, M12 x 1, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1237430

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SACC-DSIV-M12-PLUG - Housing screw connection

1416145

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

Housing screw connection, Plug, M12, Front 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, Front mounting, M12 x 1, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1239632

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

1413997

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

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

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

1413999

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

Housing screw connection, Plug, M12-SPEEDCON, Rear mounting, M15 x 1, 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, Plug, M12-SPEEDCON, Rear mounting, M15 x 1, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1239051

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SACC-M12 PLUG PRESS - Housing screw connection

1437892

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

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

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1418343

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

1027661

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

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