SACC-CI-M12FST-4CON-L180 THR - Contact carrier

1406411

https://www.phoenixcontact.com/pc/products/1406411

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Contact carrier, Power, 4-position, Socket, straight, M12, T-coding, THR solder connection, this item is expected to be lead-free from Q4 2025 in accordance with RoHS II without exception 6c (Pb < 0.1%), a lead-free alternative is possible on request in advance

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

Commercial data

Item number	1406411
Packing unit	60 pc
Minimum order quantity	60 pc
Product key	ABQAGU
GTIN	4046356804387
Weight per piece (including packing)	5.2 g
Weight per piece (excluding packing)	2.75 g
Customs tariff number	85366930
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	Power
Sensor type	Power
Number of positions	4
No. of power contacts	4
Seal present	no
Shielded	no
Coding	T
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	63 V
Nominal current I_N	12 A

Connection data

Connection method	THR solder connection

Interfaces

Signal type/category	Power

Material specifications

Material Contact carrier	PA 4T
Material Contact	CuZn
Material Contact surface	Au
Flammability rating according to UL 94	V0

Connector

Connection 1

Head design	Socket
Head cable outlet	straight
Head thread type	M12
Coding	T

Cable/line

Signal type/category	Power

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	> 100

Environmental and real-life conditions

Ambient conditions

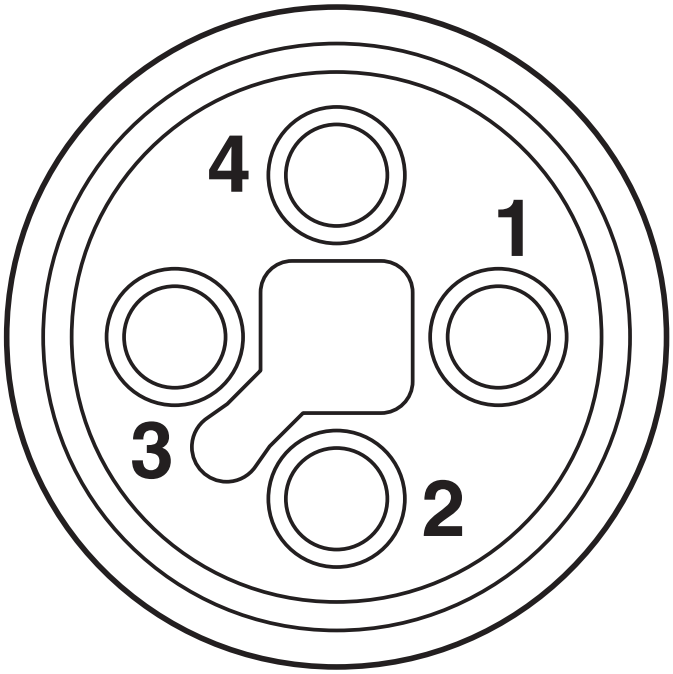
Degree of protection	IP67 (correctly plugged in and locked)
	IP20 (Not plugged in)
Ambient temperature (operation) (male connector/female connector)	-25 °C ... 105 °C
	-40 °C ... 105 °C (without mechanical actuation)
UL Type Rating	Type 4 (indoor use only)

Packaging specifications

Type of packaging	Tray

Drawings

Schematic diagram



Pin assignment of M12 socket, 4-pos., T-coded, socket side view

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/pc/products/1406411

cUL Recognized
Approval ID: E468743-20190917

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

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	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
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Classifications

ECLASS

ECLASS-13.0	27440223
ECLASS-15.0	27440223

ETIM

ETIM 9.0	EC003568

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	ea5c2e47-df1f-4356-b262-ea750f2056c3

Accessories

SACC-M12-SCO NUT - Housing screw connection

1552243

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



Housing screw connection, Socket, M12-SPEEDCON, this item is expected to be lead-free from Q2 2026 in accordance with RoHS II without exception 6c (Pb < 0. 1%), a lead-free alternative is possible on request in advance

SACC-DSIV-M12-NUT - Housing screw connection

1416144

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



Housing screw connection, Socket, M12-Screw locking mechanism, this item is expected to be lead-free from Q2 2026 in accordance with RoHS II without exception 6c (Pb < 0.1%), a lead-free alternative is possible on request in advance

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

1432460

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



Housing screw connection, Socket, M12-SPEEDCON, this item is expected to be lead-free from Q2 2026 in accordance with RoHS II without exception 6c (Pb < 0. 1%), a lead-free alternative is possible on request in advance

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

1414004

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



Housing screw connection, Socket, M12-Screw locking mechanism, THR solder connection, this item is expected to be lead-free from Q3 2025 in accordance with RoHS II without exception 6c (Pb < 0.1%), a lead-free alternative is possible on request in advance

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

1414003

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



Housing screw connection, Socket, M12-Screw locking mechanism, THR solder connection, this item is expected to be lead-free from Q3 2025 in accordance with RoHS II without exception 6c (Pb < 0.1%), a lead-free alternative is possible on request in advance

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

1414020

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



Housing screw connection, Socket, M12-SPEEDCON, THR solder connection, this item is expected to be lead-free from Q3 2025 in accordance with RoHS II without exception 6c (Pb < 0.1%), a lead-free alternative is possible on request in advance

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

1414005

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



Housing screw connection, Socket, M12-SPEEDCON, THR solder connection, this item is expected to be lead-free from Q3 2025 in accordance with RoHS II without exception 6c (Pb < 0.1%), a lead-free alternative is possible on request in advance

SACC-M12 NUT PRESS - Housing screw connection

1437889

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



Housing screw connection, Socket, M12-Screw locking mechanism, THR solder connection, this item is expected to be lead-free from Q3 2025 in accordance with RoHS II without exception 6c (Pb < 0.1%), a lead-free alternative is possible on request in advance

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

1417989

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



Housing screw connection, Socket, M12-Screw locking mechanism, THR solder connection, this item is expected to be lead-free from Q4 2025 in accordance with RoHS II without exception 6c (Pb < 0.1%), a lead-free alternative is possible on request in advance

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

1027662

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



Housing screw connection, Socket, M12-Push-pull external locking, THR and wave soldering, 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/pc/products/1027678



Housing screw connection, Socket, M12-Push-pull external locking, THR and wave soldering, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

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

1233779

https://www.phoenixcontact.com/pc/products/1233779



Housing screw connection, Socket, M12-Push-pull internal locking, THR solder connection, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

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

1249211

https://www.phoenixcontact.com/pc/products/1249211



Housing screw connection, Socket, M12-Push-pull internal locking, THR solder connection, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

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