

# SACC-CI-M12FS-5CON-L180-THR SH - Contact carrier



1432363

<https://www.phoenixcontact.com/us/products/1432363>

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Contact carrier, 5-position, Socket, straight, M12, coding: A, PCB mounting, THR solder connection, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%)  
item no.: 1237419

## 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	1432363
Packing unit	1 pc
Minimum order quantity	60 pc
Sales key	AB23
Product key	ABQAGG
Catalog page	Page 257 (C-2-2013)
GTIN	4046356341202
Weight per piece (including packing)	5.006 g
Weight per piece (excluding packing)	4.028 g
Customs tariff number	85366930
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.
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### Product properties

Product type	Contact insert
Number of positions	5
Application	Signal
Seal present	yes
Shielded	yes
Coding	A
Thread type	M12

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Electrical properties

Rated surge voltage	1.5 kV
Contact resistance	$\leq 3 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$
Nominal voltage $U_N$	60 V
Nominal current $I_N$	4 A

### Material specifications

Flammability rating according to UL 94	V0
Seal material	FKM / EPDM
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 6T/66

### Connector

#### Connection 1

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

### Cable/line

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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
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## 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 ... 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
Connection method	THR solder connection

## Packaging specifications

Type of packaging	Tray
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# SACC-CI-M12FS-5CON-L180-THR SH - Contact carrier

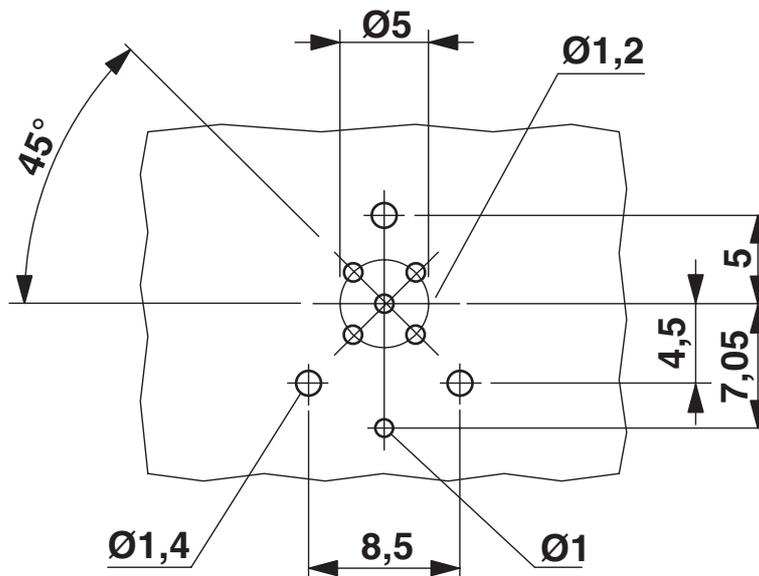


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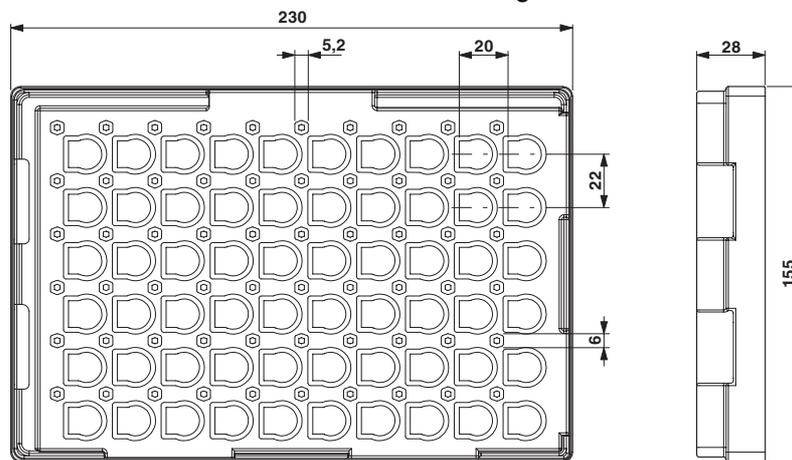
## Drawings

Drilling plan/solder pad geometry



Drilling diagram

Dimensional drawing



THR tray packaging

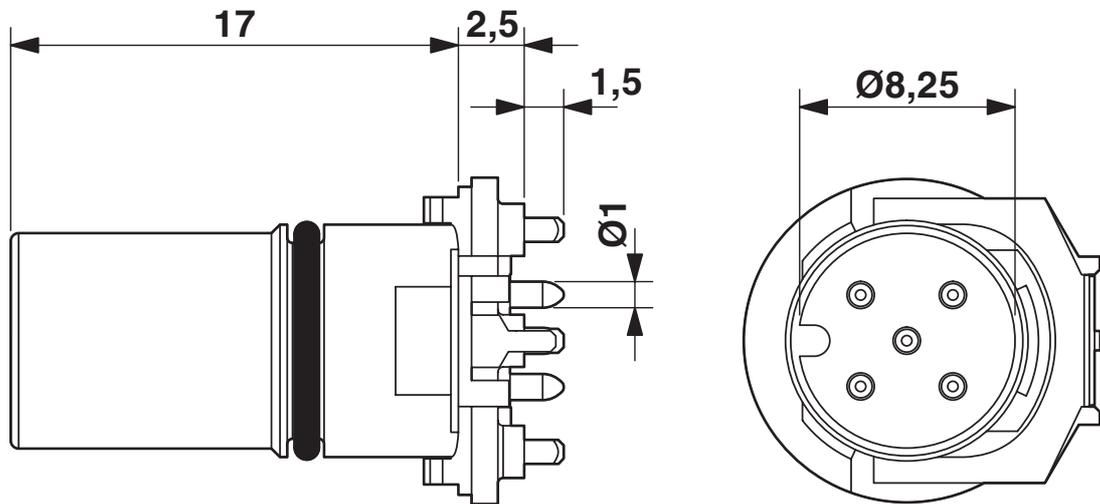
# SACC-CI-M12FS-5CON-L180-THR SH - Contact carrier



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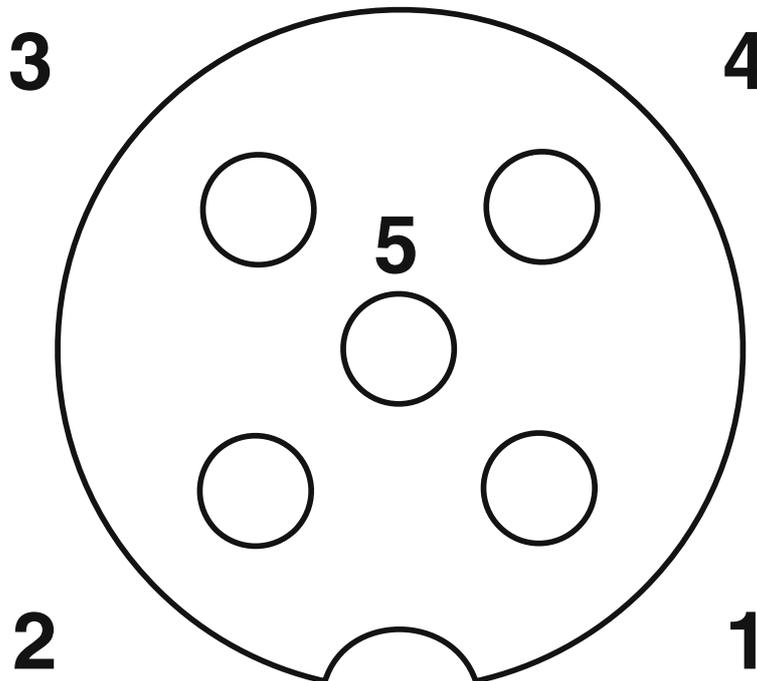
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Dimensional drawing



Dimensional drawing

Schematic diagram



Pin assignment M12 socket, 5-pos., A-coded, socket side view

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1432363>

 <b>cUL Recognized</b> Approval ID: E118976-20100522				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $mm^2$
	60 V	4 A	- 22	-

 <b>UL Recognized</b> Approval ID: E118976-20100522				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $mm^2$
	60 V	4 A	- 22	-

 <b>EAC</b> Approval ID: B.01687	
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<b>cULus Recognized</b>	
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# SACC-CI-M12FS-5CON-L180-THR SH - Contact carrier



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## Classifications

### ECLASS

ECLASS-11.0	27060308
ECLASS-12.0	27440116
ECLASS-13.0	27460201

### ETIM

ETIM 8.0	EC002599
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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

### 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

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### 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

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## 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

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## SACC-CIM12FS5PL180THRSHSAMPLE - Sample set

1413558

<https://www.phoenixcontact.com/us/products/1413558>



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

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## 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

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## SACC-DSIV-M12-NUT - Housing screw connection

1416144

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

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

1432460

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

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## 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

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## 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

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## 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-CI-M12FS-5CON-L180-THR SH - Contact carrier

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## 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

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## 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.

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## 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.

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

1419633

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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.

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## 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.

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## 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

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## 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

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

1027662

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



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

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

1027678

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



Housing screw connection, Socket, M12-Push-Pull, 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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Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)