

Flush-type connector - SACC-CI-M12MS-4CON-L180 THR - 1437164

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



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

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

RoHS

Key Commercial Data

Packing unit	60 pc
Minimum order quantity	60 pc
GTIN	 4 046356 457118
GTIN	4046356457118

Technical data

Ambient conditions

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

General

Note	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.
Rated current at 40°C	4 A
Rated voltage	250 V

Flush-type connector - SACC-CI-M12MS-4CON-L180 THR - 1437164

Technical data

General

Rated surge voltage	2.5 kV
Number of positions	4
Insulation resistance	≥ 100 MΩ
Coding	A - standard
Standards/regulations	M12 connector IEC 61076-2-101
Signal type/category	Universal
Overvoltage category	II
Degree of pollution	3
Connection method	THR solder connection
Insertion/withdrawal cycles	> 100
Mounting type	PCB mounting
Type of packaging	Tray

Material

Flammability rating according to UL 94	V0
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA6T
Sealing material	FKM

Cable

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

Standards and Regulations

Standard designation	M12 connector
Standards/regulations	IEC 61076-2-101
Flammability rating according to UL 94	V0

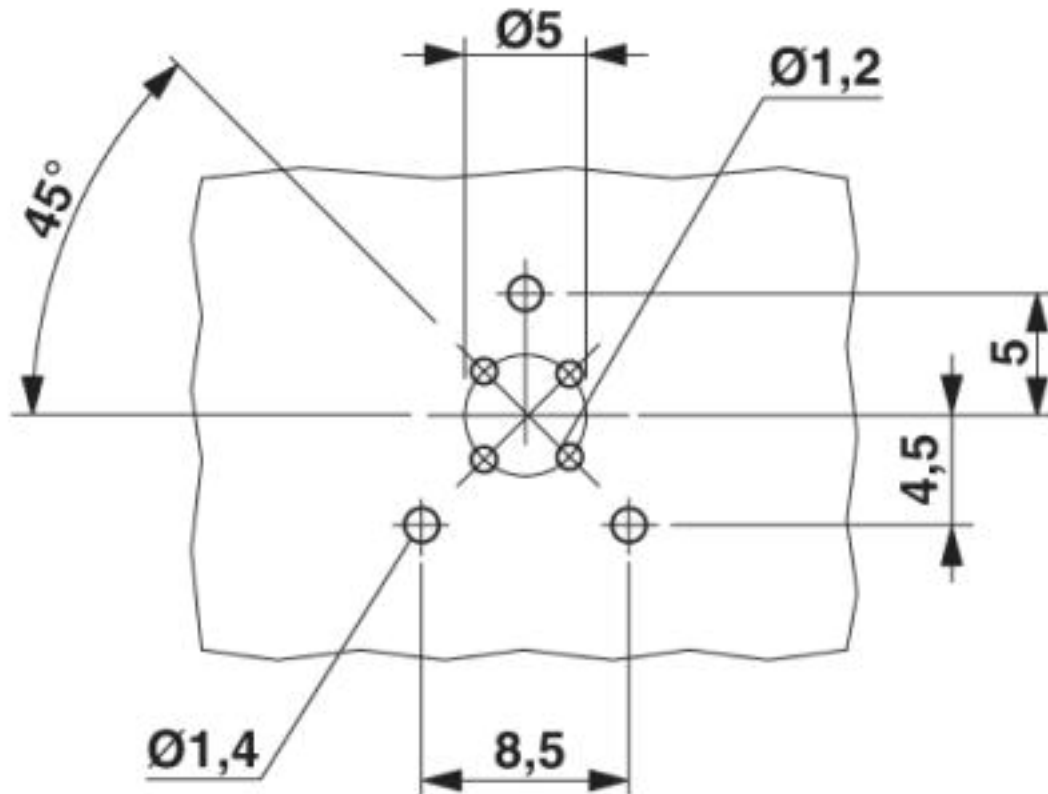
Environmental Product Compliance

	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

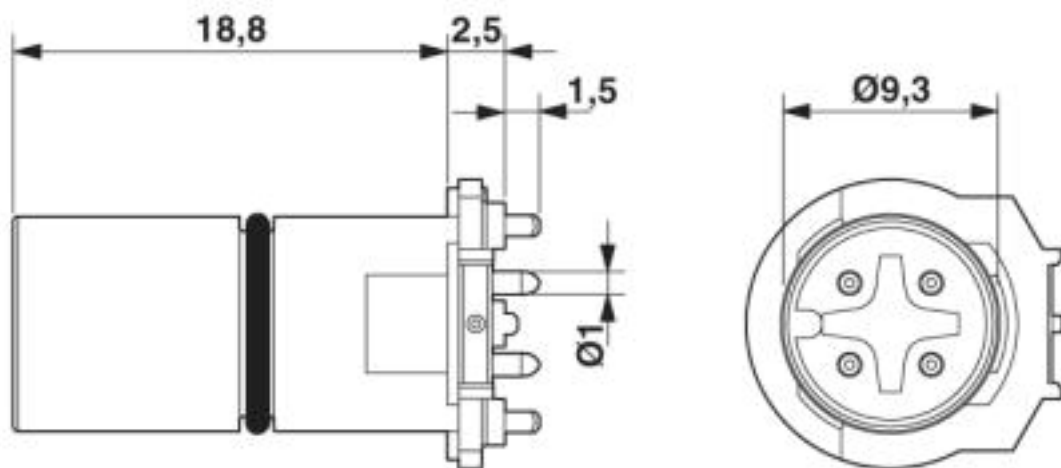
Flush-type connector - SACC-CI-M12MS-4CON-L180 THR - 1437164

Drilling diagram



Drilling diagram

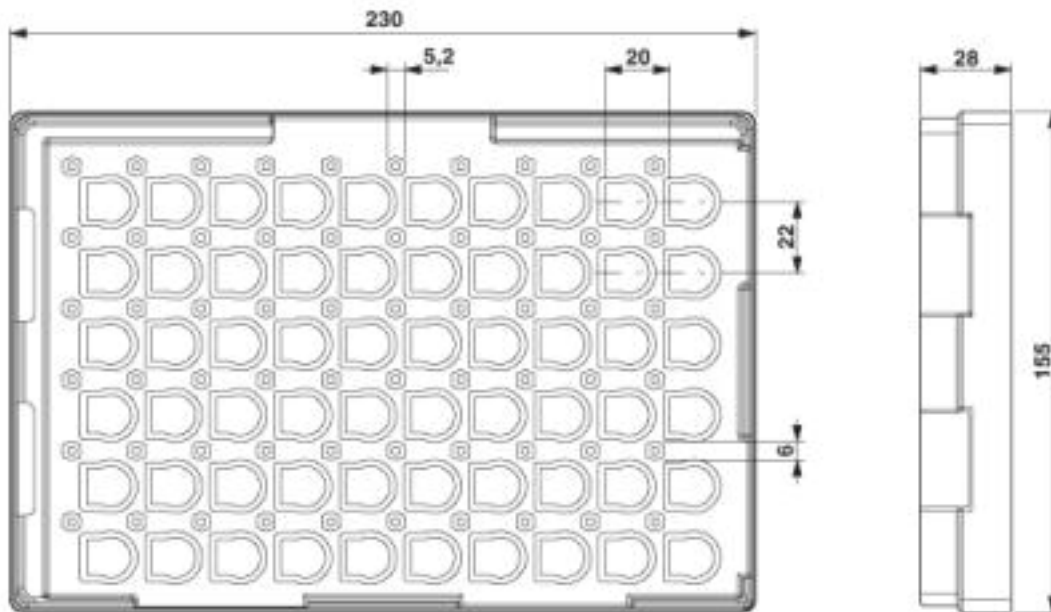
Dimensional drawing



M12 male connector contact carrier

Flush-type connector - SACC-CI-M12MS-4CON-L180 THR - 1437164

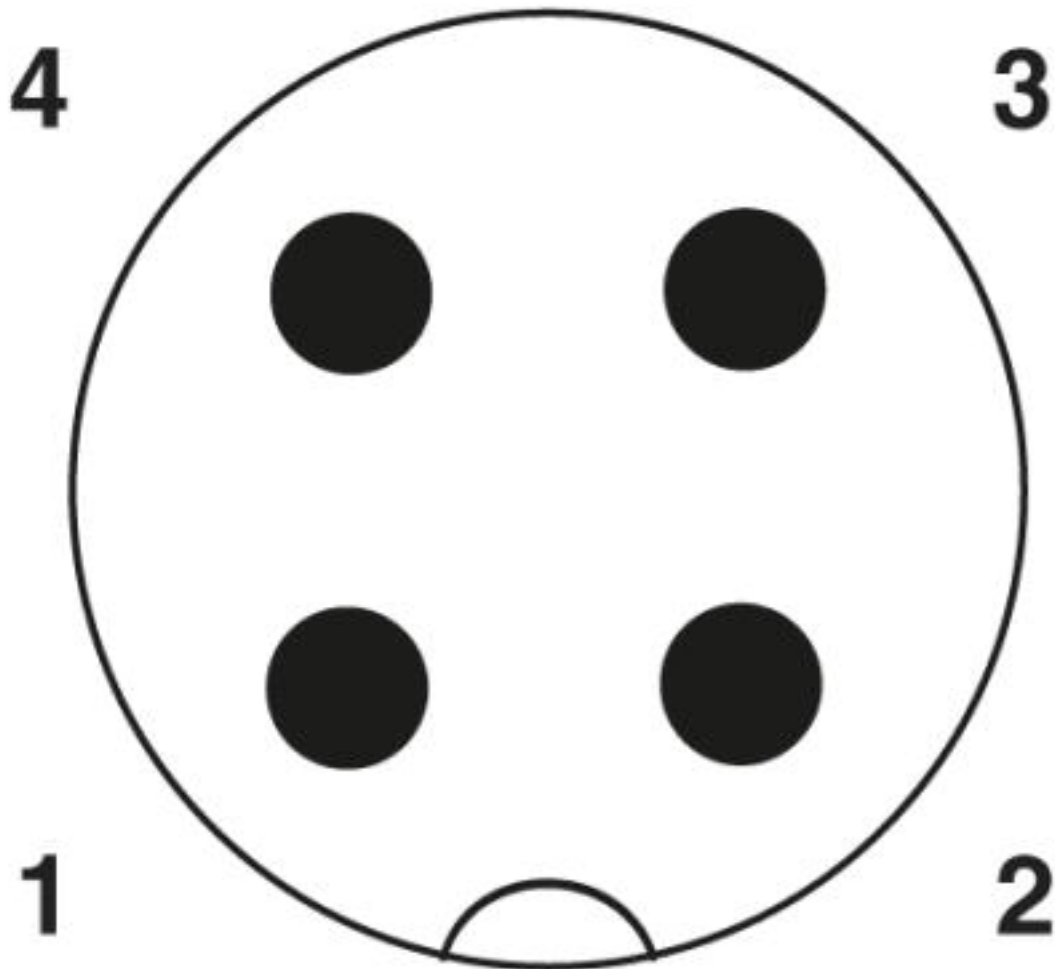
Dimensional drawing



THR tray packaging

Flush-type connector - SACC-CI-M12MS-4CON-L180 THR - 1437164

Schematic diagram



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

Approvals

Approvals

Approvals

UL Recognized / UL Recognized / cUL Recognized / EAC

Ex Approvals

Approval details

Flush-type connector - SACC-CI-M12MS-4CON-L180 THR - 1437164

Approvals

UL Recognized			http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 118976
Nominal voltage UN	250 V			
Nominal current IN	4 A			
mm²/AWG/kcmil	22			

UL Recognized			http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 118976
Nominal voltage UN	250 V			
Nominal current IN	4 A			
mm²/AWG/kcmil	22			

cUL Recognized			http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 118976
Nominal voltage UN		250 V		
Nominal current IN		4 A		
mm²/AWG/kcmil		22		

EAC		B.01742
-----	---	---------

Phoenix Contact 2019 © - all rights reserved
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>