PHŒNIX CONTACT

Flush-type connector - SACC-CI-M12FS-4CON-L180 THR - 1439942

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 connector, socket, 4-pos., A-coded, with straight THR solder connection, only contact insert

Why buy this product

☑

Key commercial data

Packing unit	60 pc
Minimum order quantity	60 pc
GTIN	4 046356 476706
Weight per Piece (excluding packing)	3.94 g
Custom tariff number	85366990
Country of origin	Germany
Product key	ABQCAF

Technical data

Ambient conditions

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

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
Rated surge voltage	2.5 kV
Number of positions	4

Flush-type connector - SACC-CI-M12FS-4CON-L180 THR - 1439942

Technical data

General

Contact resistance	$\leq 3\ m\Omega$
Insulation resistance	$\geq 100\ M\Omega$
Coding	A - standard
Standards/regulations	M12 connector IEC 61076-2-101
Status display	No
Surge voltage category	II
Pollution degree	3
Connection method	THR solder connection
Insertion/withdrawal cycles	> 100
Torque	3 Nm ... 4 Nm (Installation-side)
Mounting type	PCB mounting
Type of packaging	Tray

Material

Inflammability class according to UL 94	V0
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PPA
Sealing material	FKM / EPDM

Cable

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

Classifications

eCl@ss

eCl@ss 4.0	27060306
eCl@ss 4.1	27060306
eCl@ss 5.0	27061801
eCl@ss 5.1	27260701
eCl@ss 6.0	27279220
eCl@ss 7.0	27440103
eCl@ss 8.0	27440103

ETIM

ETIM 3.0	EC002061
ETIM 4.0	EC002061
ETIM 5.0	EC002061

UNSPSC

UNSPSC 6.01	31251501

Flush-type connector - SACC-CI-M12FS-4CON-L180 THR - 1439942

Classifications

UNSPSC

UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	31251501

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

UL Recognized

mm²/AWG/kcmil	26-20
Nominal current IN	4 A
Nominal voltage UN	250 V

cUL Recognized

mm²/AWG/kcmil	26-20
Nominal current IN	4 A
Nominal voltage UN	250 V

EAC

cULus Recognized

Flush-type connector - SACC-CI-M12FS-4CON-L180 THR - 1439942

Accessories

Accessories

Contact insert

Sample set - SACC-CIM12FS4PL180SHTHRSAMPLE - 1413556

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

---

Panel mounting base

Housing screw connection - SACC-M12-SCO NUT - 1552243

M12 SPEEDCON housing screw connection for M12 female inserts, with O-ring, for all SPEEDCON-capable THR and wave soldering contact carriers

---

Housing screw connection - SACC-DSIV-M12-NUT - 1416144

Housing screw connection with M12 standard thread, with O-ring, for the two-piece straight M12 THR contact carrier and for the two-piece angled M12 contact carrier

---

Housing screw connection - SACC-M12-SCO NUT L 90 - 1432460

M12-SPEEDCON housing screw connection for M12 female inserts, with flat gasket, for all Speedcon-compatible THR and wave soldering contact carriers

---

Housing screw connection - SACC-BP-F-M12/M15-6-THR - 1414004

Housing screw connection, SocketLink:M12, Rear mounting, M15 x 1

Flush-type connector - SACC-CI-M12FS-4CON-L180 THR - 1439942

Accessories

Housing screw connection - SACC-BP-F-M12/M15-7-THR - 1414003

Housing screw connection, SocketLink:M12, Rear mounting, M15 x 1

Housing screw connection - SACC-BP-F-M12/M15-6-THR SCO - 1414020

Housing screw connection, SocketLink:M12-SPEEDCON, Rear mounting, M15 x 1

Housing screw connection - SACC-BP-F-M12/M15-7-THR SCO - 1414005

Housing screw connection, SocketLink:M12-SPEEDCON, Rear mounting, M15 x 1

Housing screw connection - SACC-BP-F-M12/VAR-1,0/1,8-9TIP - 1414231

M12 housing screw connection with tolerance-compensating function, for straight THR solderable M12 socket contact inserts. Suitable for 1.0 mm ... 1.8 mm thick front plates.

Housing screw connection - SACC-BP-F-M12/VAR-1,7/2,5-9TIP - 1414232

M12 housing screw connection with tolerance-compensating function, for straight, THR solderable M12 socket contact inserts. Suitable for 1.7 mm ... 2.5 mm thick front plates.

PHŒNIX CONTACT

Flush-type connector - SACC-CI-M12FS-4CON-L180 THR - 1439942

Accessories

Housing screw connection - SACC-BP-F-M12/VAR-2,4/3,2-9TIP - 1414233

M12 housing screw connection with tolerance-compensating function, for straight, THR solderable M12 socket contact inserts. Suitable for 2.4 mm ... 3.2 mm thick front plates.

Housing screw connection - SACC-BP-F-M12/VAR-3,1/3,9-9TIP - 1414234

M12 housing screw connection with tolerance-compensating function, for straight, THR solderable M12 socket contact inserts. Suitable for 3.1 mm ... 3.9 mm thick front plates.

Housing screw connection - SACC-M12 NUT PRESS - 1437889

Housing screw connection for two-piece M12 connectors for the reflow soldering process.

Protective cap

Screw plug - PROT-M12 - 1680539

An M12 screw plug for the unoccupied M12 sockets of the sensor/actuator cable, boxes and flush-type connectors

Screw plug - PROT-M12 SH - 1503302

An M12 screw plug for the unoccupied M12 sockets of the shielded sensor/actuator cable, boxes and flush-type connectors

Flush-type connector - SACC-CI-M12FS-4CON-L180 THR - 1439942
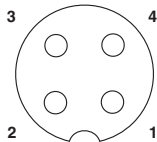
Accessories

Screw plug - PROT-M12 FB - 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
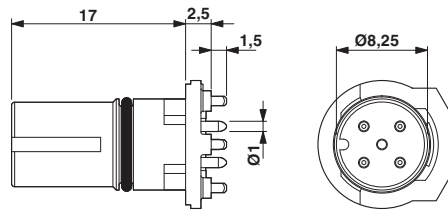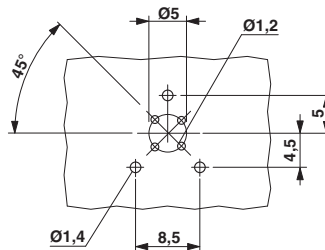

Drawings

Schematic diagram

Pin assignment M12 socket, 4-pos., A-coded, view female side
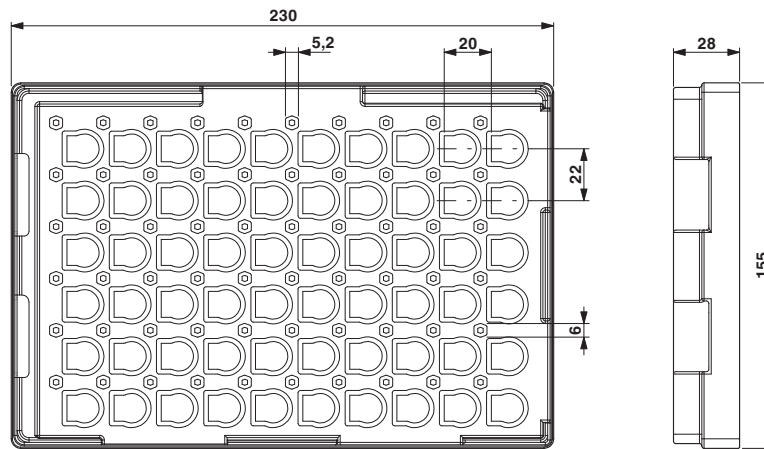
Dimensional drawing

M12 female connector contact carrier

Drilling diagram

Drilling diagram

Flush-type connector - SACC-CI-M12FS-4CON-L180 THR - 1439942

Dimensional drawing

THR tray packaging