

Flush-type connector - SACC-CI-M12FS-5CON-L180-THR - 1551448

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Sensor/actuator flush-type socket, 5-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 153683
Weight per Piece (excluding packing)	3.5 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	60 V
Rated surge voltage	1.5 kV
Number of positions	5

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Technical data

General

Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
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	27250313
eCl@ss 4.1	27250313
eCl@ss 5.0	27143423
eCl@ss 5.1	27143423
eCl@ss 6.0	27143423
eCl@ss 7.0	27449001
eCl@ss 8.0	27440103

ETIM

ETIM 3.0	EC002061
ETIM 4.0	EC002062
ETIM 5.0	EC002061

UNSPSC

UNSPSC 6.01	31251501
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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	
mm ² /AWG/kcmil	26-20
Nominal current I _N	4 A
Nominal voltage U _N	60 V

cUL Recognized	
mm ² /AWG/kcmil	26-20
Nominal current I _N	4 A
Nominal voltage U _N	60 V

EAC

cULus Recognized

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Accessories

Accessories

Contact insert

Sample set - SACC-CIM12FS5PL180THRSHSAMPLE - 1413558



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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

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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.

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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

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Accessories

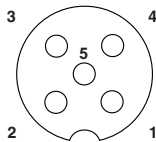
Screw plug - PROT-M12 FB - 1555538



M12 high-grade steel screw plug, for unoccupied M12 sockets of the sensor/actuator cables, boxes and flush-type connectors for the food industry

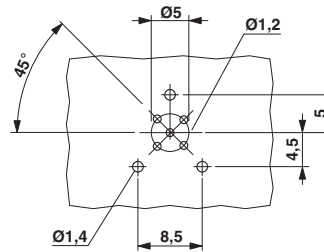
Drawings

Schematic diagram



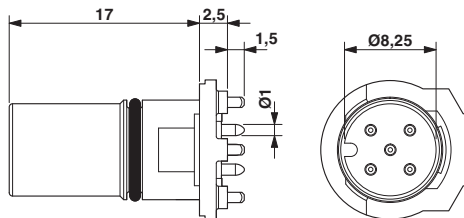
Pin assignment M12 socket, 5-pos., A-coded, socket side view

Drilling diagram



Drilling diagram

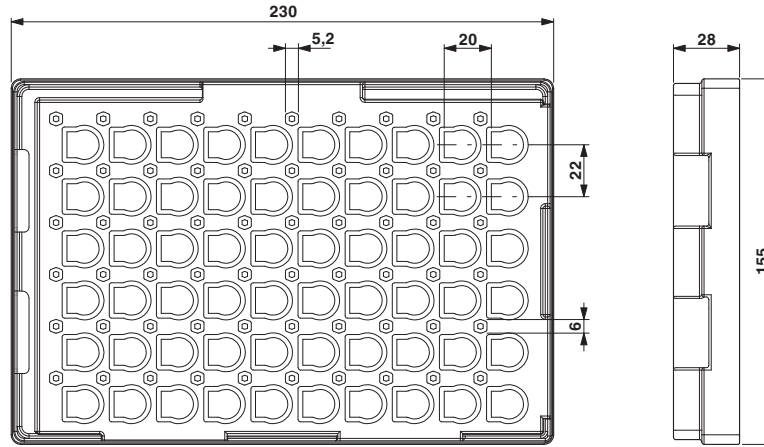
Dimensional drawing



M12 female connector contact carrier

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Dimensional drawing



THR tray packaging

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