

# Flush-type connector - SACC-CI-M12MS-8CON-L180-THR SH - 1557581

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Sensor/actuator flush-type plug, 8-pos., shielded, with straight THR solder connection

## 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

## Key Commercial Data

Packing unit	1 pc
Minimum order quantity	60 pc
GTIN	 4 046356 284882
GTIN	4046356284882
Weight per Piece (excluding packing)	3.000 g
Custom tariff number	85366990
Country of origin	Germany

## 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)

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## Technical data

### 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	2 A
Rated voltage	30 V
Rated surge voltage	0.8 kV
Number of positions	8
Insulation resistance	≥ 100 MΩ
Coding	A - standard
Standards/regulations	M12 connector IEC 61076-2-101
Status display	No
Overvoltage category	II
Degree of pollution	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

Flammability rating according to UL 94	V0
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 6.6
Sealing material	FKM / EPDM

### Cable

Standards/specifications	M12 connector IEC 61076-2-101
Ambient temperature (operation)	-40 °C ... 85 °C (cable, fixed installation)
	-25 °C ... 85 °C (cable, flexible installation)

### Standards and Regulations

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

### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years

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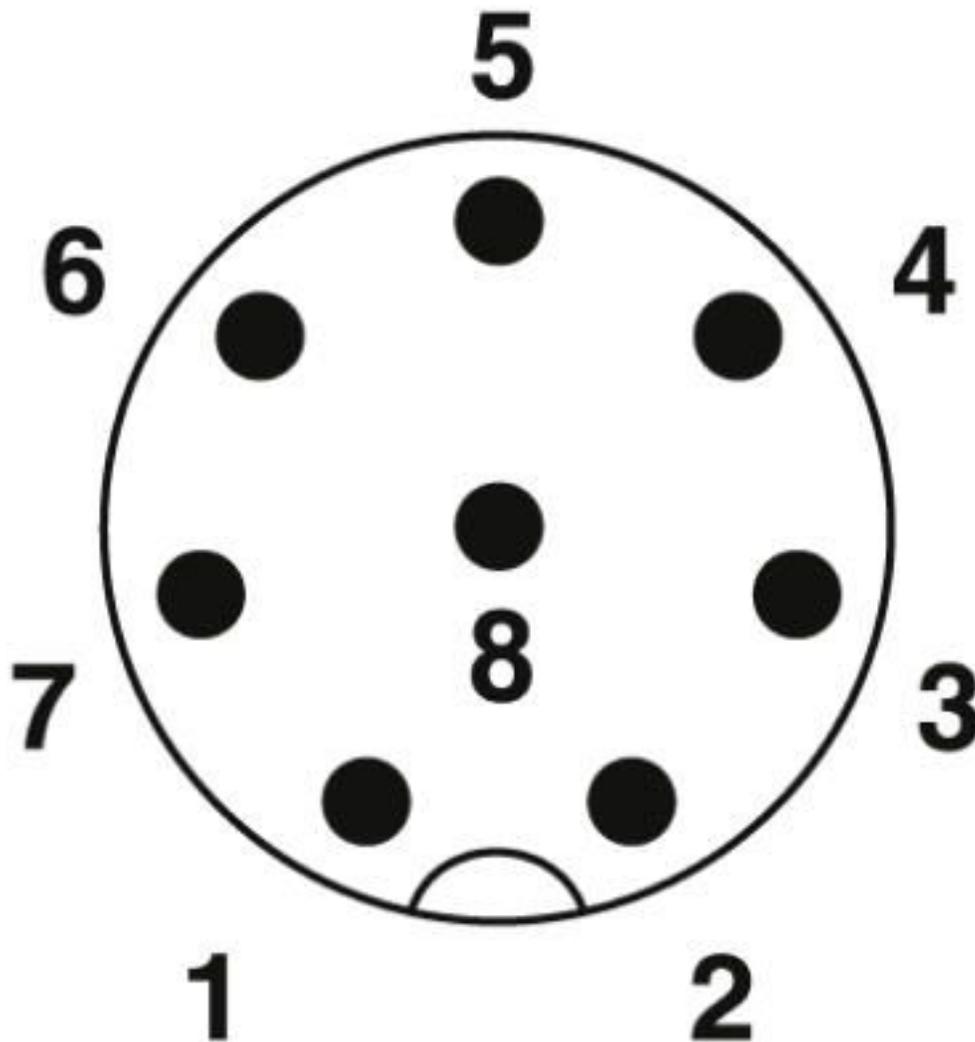
Technical data

Environmental Product Compliance

	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"
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Drawings

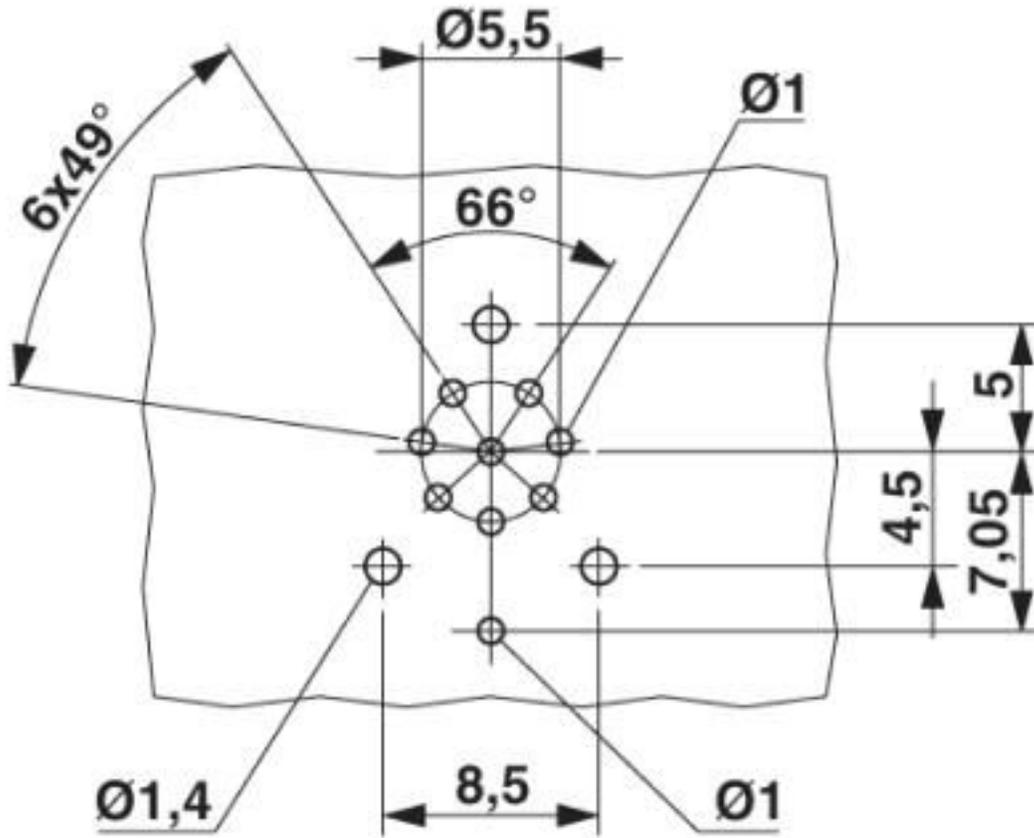
Schematic diagram



Pin assignment M12 plug, 8-pos., view plug side

# Flush-type connector - SACC-CI-M12MS-8CON-L180-THR SH - 1557581

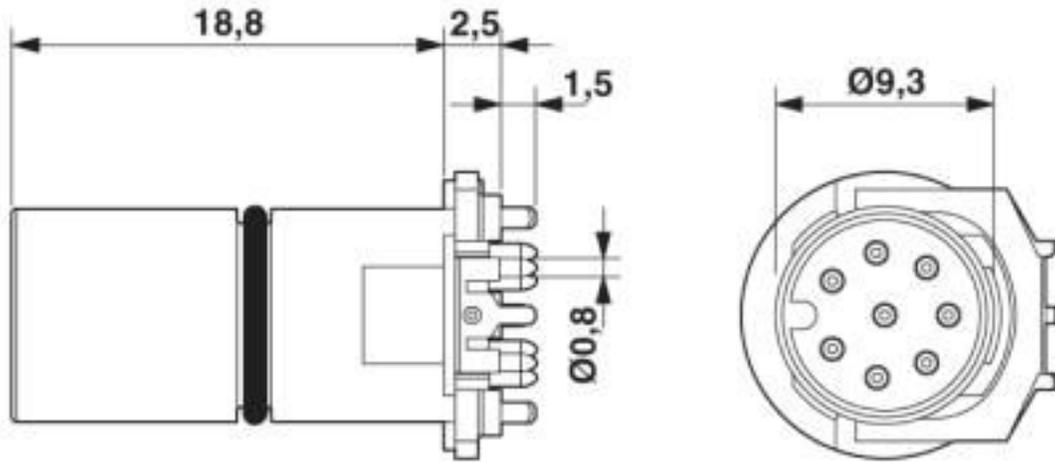
Drilling diagram



Drilling diagram

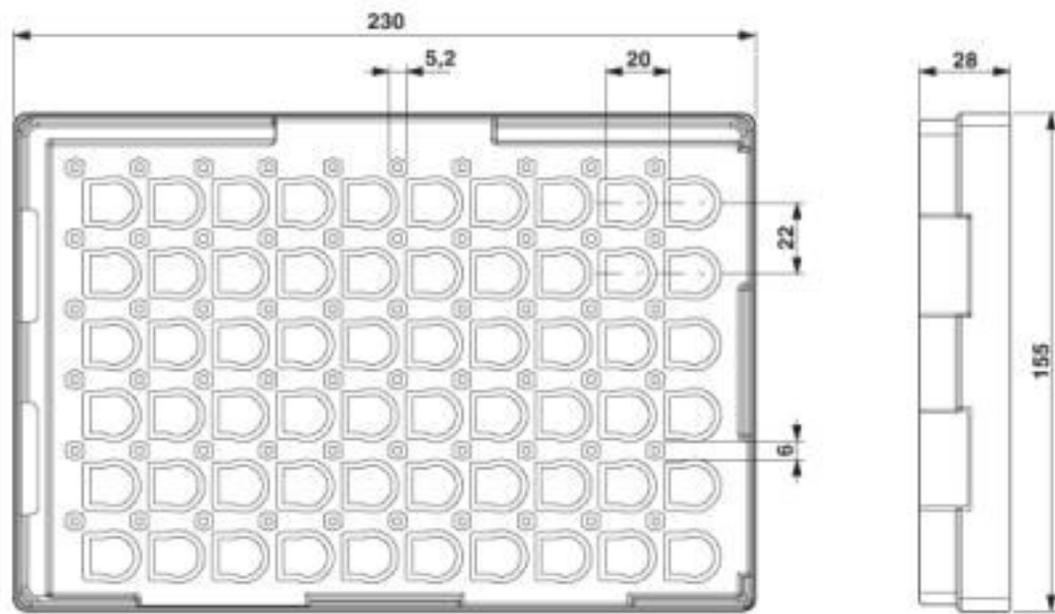
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Dimensional drawing



M12 male connector contact carrier

Dimensional drawing



THR tray packaging

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## Classifications

### eCl@ss

eCl@ss 10.0.1	27440102
eCl@ss 4.0	27140800
eCl@ss 4.1	27140800
eCl@ss 5.0	27143400
eCl@ss 5.1	27143400
eCl@ss 6.0	27279200
eCl@ss 7.0	27440103
eCl@ss 8.0	27440103
eCl@ss 9.0	27440102

### ETIM

ETIM 3.0	EC002061
ETIM 4.0	EC002062
ETIM 5.0	EC002061
ETIM 6.0	EC002061

### UNSPSC

UNSPSC 6.01	31251501
UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	39121413
UNSPSC 18.0	39121413
UNSPSC 19.0	39121413
UNSPSC 20.0	39121413
UNSPSC 21.0	39121413

## Approvals

### Approvals

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Approvals

EAC

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Ex Approvals

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# Flush-type connector - SACC-CI-M12MS-8CON-L180-THR SH - 1557581

## Approvals

### Approval details

EAC		B.01687
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## Accessories

### Accessories

#### Contact insert

Sample set - SACC-CIM12MS8PL180THRSHSAMPLE - 1413553



Sensor/actuator flush-type plug, 8-pos., shielded, with straight THR solder connection

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## Panel mounting base

Housing screw connection - SACC-M12-SCO PLUG - 1551493



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

Housing screw connection - SACC-DSIV-M12-PLUG - 1416145



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 PLUG L90 - 1436709



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

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### Accessories

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Housing screw connection - SACC-BP-M-M12/M15-6-THR - 1413997



Housing screw connection, Plug, M12, Rear mounting, M15 x 1

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Housing screw connection - SACC-BP-M-M12/M15-7-THR - 1413996



Housing screw connection, Plug, M12, Rear mounting, M15 x 1

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Housing screw connection - SACC-BP-M-M12/M15-6-THR SCO - 1413999



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

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Housing screw connection - SACC-BP-M-M12/M15-7-THR SCO - 1413998



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

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Housing screw connection - SACC-M12 PLUG PRESS - 1437892



M12 pin, housing screw connection, press-in version, for all Speedcon-compatible THR and wave soldering contact carriers

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## Flush-type connector - SACC-CI-M12MS-8CON-L180-THR SH - 1557581

### Accessories

Housing screw connection - SACC-DSIV-M12-PLUG-9 THR - 1417984



M12 pin, front mounting THR with M14 screw fastening

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Housing screw connection - SACC-BP-M-M12-THR PP - 1027661



Housing screw connection, Plug, M12-Push-Pull, Rear mounting, THR- und Wellenlötkontakte

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Housing screw connection - SACC-FP-M-M12-THR PP - 1027679



Housing screw connection, Plug, M12-Push-Pull, Front mounting, THR- und Wellenlötkontakte

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### Protective cap

Sealing cap - PROT-M12 FS - 1560251



M12 sealing cap for unoccupied M12 plugs of the sensor/actuator cable, flush-type plugs and I/O devices in the field

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Sealing cap - PROT-M12 FS-M - 1430488



M12 metal sealing cap for unoccupied M12 plugs of the sensor/actuator cable, flush-type plugs and I/O devices in the field

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