

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


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, 8-pos., shielded, with straight THR solder connection



## Key commercial data

Packing unit	60 pc
Minimum order quantity	60 pc
GTIN	 4 046356 284882
Weight per Piece (excluding packing)	4.23 g
Custom tariff number	85366990
Country of origin	Germany
Note	Made to Order (non-returnable)

## 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	2 A
Rated voltage	30 V
Number of positions	8
Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Coding	A - standard
Standards/regulations	M12 connector IEC 61076-2-101

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

## Technical data

### General

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

### Material

Inflammability class according to UL 94	V0
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 66
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
UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	31251501

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

## Approvals

Approvals

---

Approvals

EAC

---

Ex Approvals

---

Approvals submitted

---

Approval details

EAC
-----

## Accessories

Accessories

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-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

---

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

---

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

## Accessories

### 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

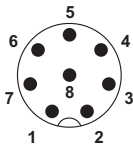
Sealing cap - PROT-M12 FS-M - 1430488



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

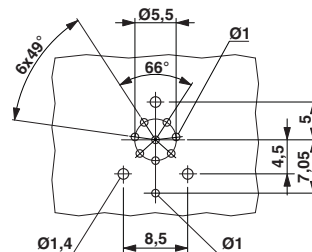
## Drawings

Schematic diagram



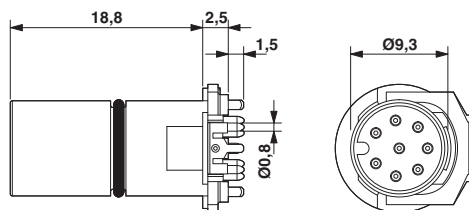
Pin assignment M12 plug, 8-pos., view plug side

Drilling diagram



Drilling diagram

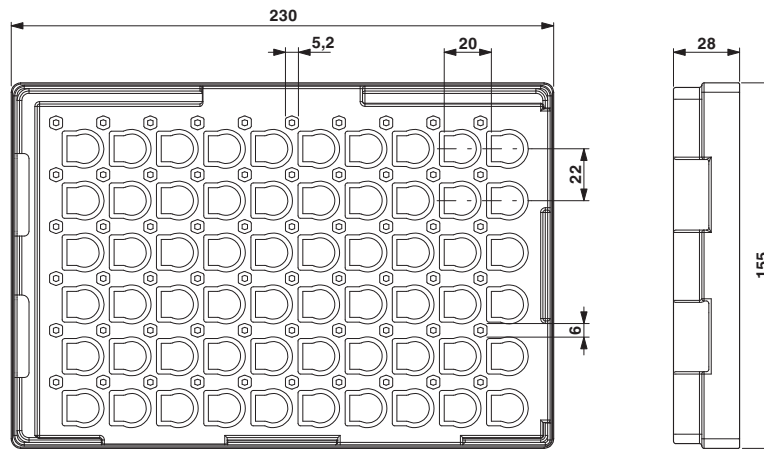
Dimensioned drawing



M12 male connector contact carrier

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

Dimensioned drawing



THR tray packaging