

# Sample set - SACC-CIM12FS8PL180THRSHSAMPLE - 1413561


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Sensor/actuator flush-type socket, 8-pos., with straight THR solder connection, only contact insert



## Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 008301
GTIN	4055626008301

## 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
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

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## Technical data

### General

Degree of pollution	3
Connection method	THR solder connection
Insertion/withdrawal cycles	> 100
Torque	3 Nm ... 4 Nm (Installation-side)
Mounting type	PCB mounting

### Material

Flammability rating according to UL 94	V0
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PPA
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

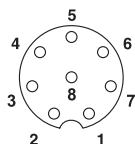
Standard designation	M12 connector
Standards/regulations	IEC 61076-2-101
Flammability rating according to UL 94	V0

### Environmental Product Compliance

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

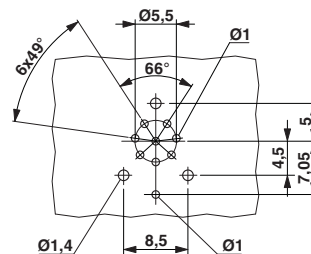
## Drawings

Schematic diagram



Pin assignment M12 socket, 8-pos., A-coded, view female side

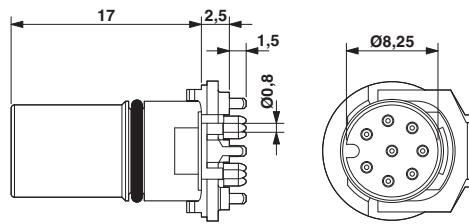
Drilling diagram



Drilling diagram

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Dimensional drawing



M12 female connector contact carrier

## Approvals

Approvals

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Approvals

EAC

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Ex Approvals

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## Approval details

EAC		B.01742
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