

# Sample set - SACC-CIM12FS4PL180SHTHRSAMPLE - 1413556

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



# **Key Commercial Data**

Packing unit	1 pc
GTIN	4 055626 008264
GTIN	4055626008264

# 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
Insulation resistance	$\geq$ 100 M $\Omega$
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"

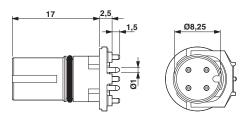
# **Drawings**

# Schematic diagram



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

# Dimensional drawing

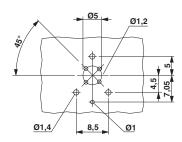


M12 female connector contact carrier



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### Drilling diagram



Drilling diagram

Approvals	
Approvals	
Approvals	
EAC	
Ex Approvals	

### Approval details



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