

# Bus system flat-type plug - SACC-CI-M12MSD- 4CON-SH TOR 32 - 1457513

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>)



Bus system flat-type plug, 4-position, Plug, straight, D-coded, PCB mounting, 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	100 pc
Minimum order quantity	100 pc
GTIN	
GTIN	4046356616263

## 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)

### 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.
------	--

# Bus system flat-type plug - SACC-CI-M12MSD- 4CON-SH TOR 32 - 1457513

## Technical data

### General

Rated current at 40°C	4 A
Rated voltage	250 V
Rated surge voltage	2.5 kV
Number of positions	4
Insulation resistance	≥ 100 MΩ
Coding	D - data
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	Belt
Delivery state	with assembly pad

### Material

Flammability rating according to UL 94	V0
Contact material	CuZn
Contact surface material	Ni/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

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

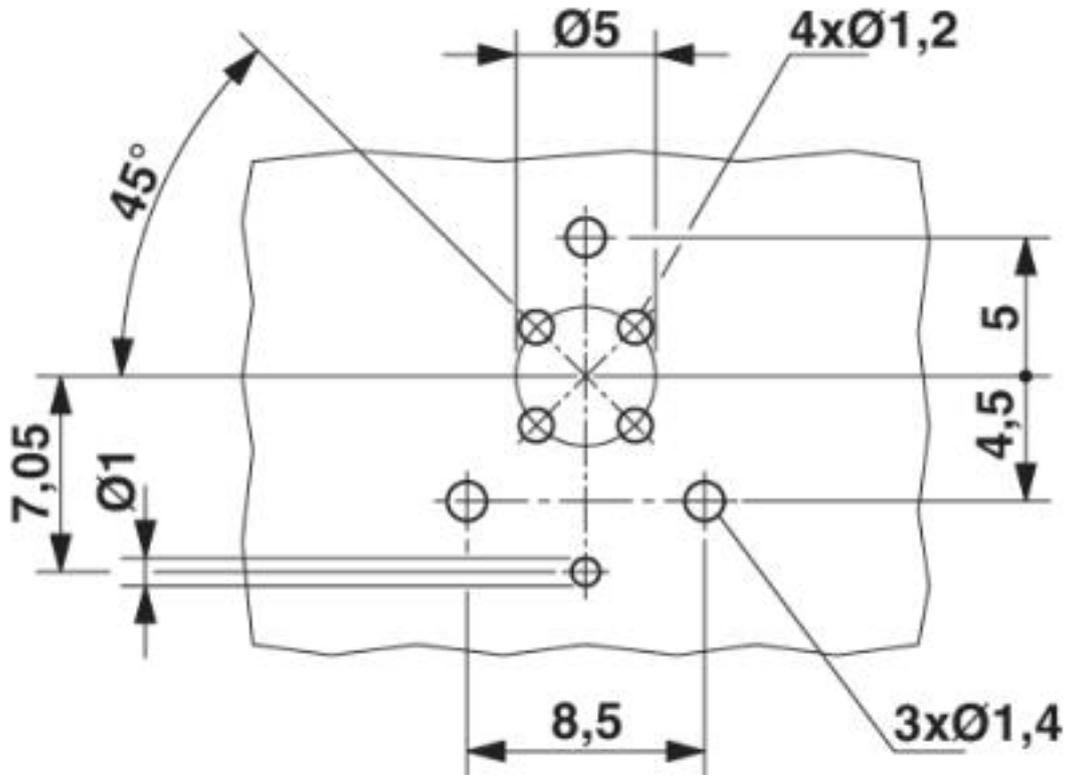
### Environmental Product Compliance

	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

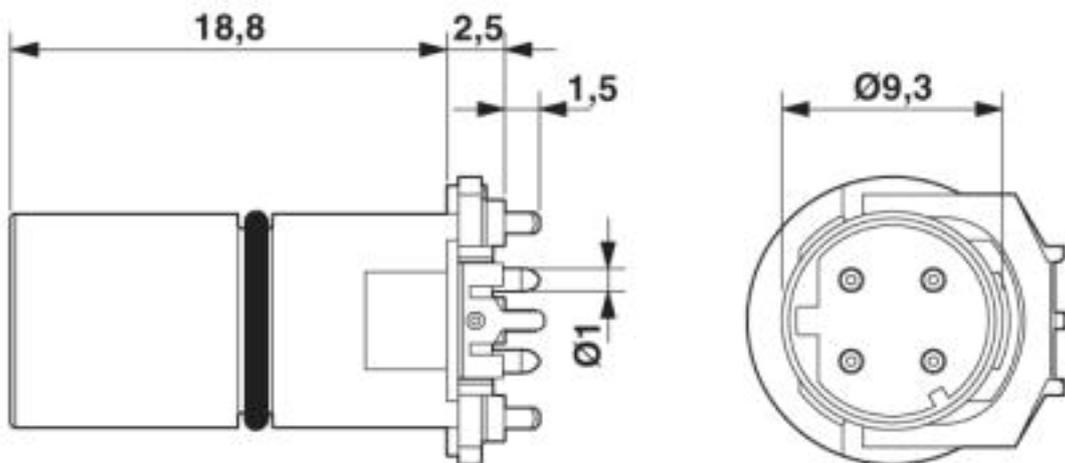
# Bus system flat-type plug - SACC-CI-M12MSD- 4CON-SH TOR 32 - 1457513

Drilling diagram



Drilling diagram

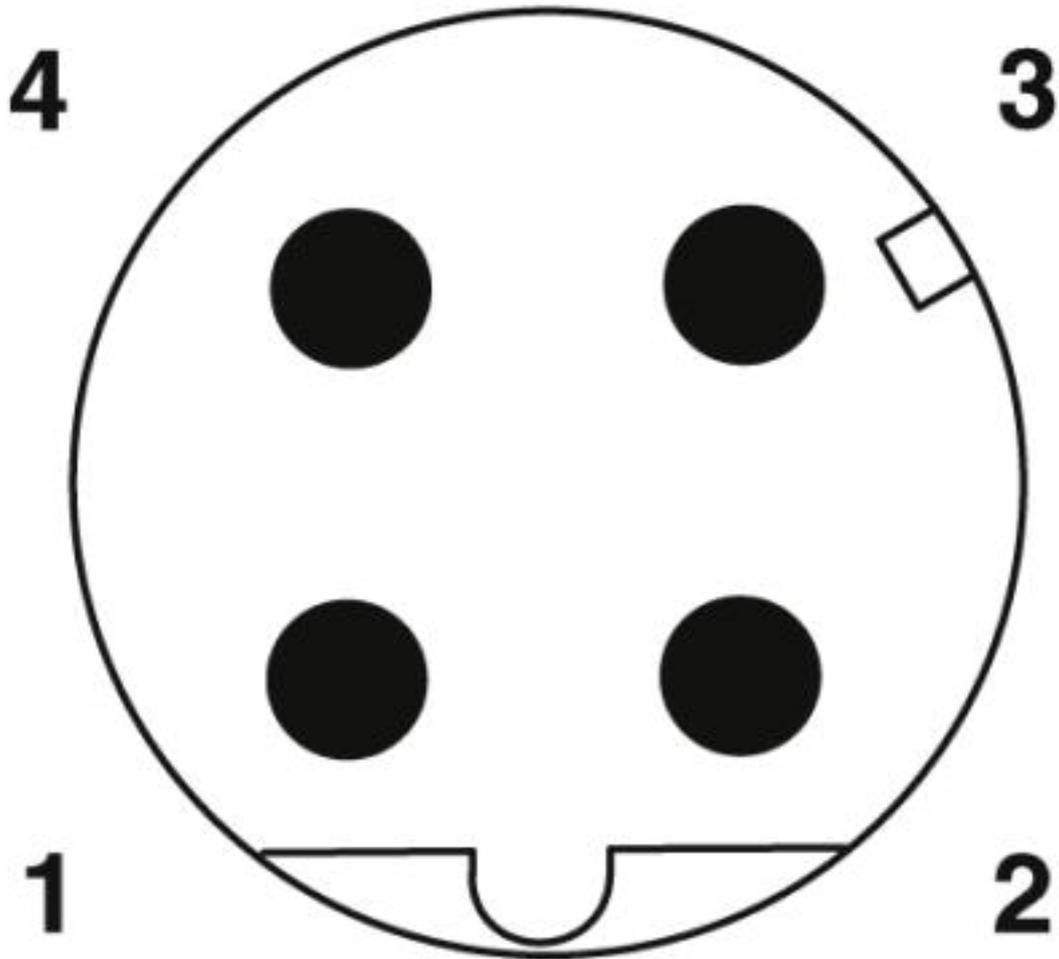
Dimensional drawing



M12 male connector contact carrier

# Bus system flat-type plug - SACC-CI-M12MSD- 4CON-SH TOR 32 - 1457513

Schematic diagram



Pin assignment M12 male connector, 4-pos., D-coded, male side

## Approvals

Approvals

---

Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

---

Ex Approvals

---

## Approval details

# Bus system flat-type plug - SACC-CI-M12MSD- 4CON-SH TOR 32 - 1457513

## Approvals

UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 118976
Nominal voltage UN	250 V		
Nominal current IN	4 A		
mm <sup>2</sup> /AWG/kcmil	22		

cUL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 118976
Nominal voltage UN	250 V		
Nominal current IN	4 A		
mm <sup>2</sup> /AWG/kcmil	22		

EAC		B.01742
-----	--	---------

cULus Recognized	
------------------	--

Phoenix Contact 2019 © - all rights reserved  
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>