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# Flush-type connector - SACC-CI-M12MS-12CON-L180 THRSH - 1442065

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Sensor/actuator flush-type plug, 12-pos. with shroud, A-coded, with straight THR solder connection, contact insert only

## Why buy this product

- Reduzierte Montagekosten dank zweiteiliger Gerätesteckverbinder
- Verpackungen für automatisierte Pick- and Place-Bestückung verfügbar
- Alle gängigen Polbilder und Kodierungen verfügbar
- Einfache Geräteintegration durch mechanische Port-Verschraubungen mit Gewindefestigung, Einpresskontur oder zur direkten Integration in die Frontplatte
- Zusätzliche Abdichtung zum Gerät im ungesteckten Zustand

## Key Commercial Data

Packing unit	60 STK
Minimum order quantity	60 STK
GTIN	 4 046356 533133

## 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	1.5 A
Rated voltage	30 V
Rated surge voltage	0.8 kV
Number of positions	12
Insulation resistance	≥ 100 MΩ

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## Technical data

### General

Coding	A - standard
Standards/regulations	M12 connector IEC 61076-2-101
Status display	No
Overvoltage category	III
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
Delivery state	with assembly pad

### Material

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

### Cable

### Standards and Regulations

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

## Classifications

### eCl@ss

eCl@ss 4.0	27060306
eCl@ss 4.1	27060306
eCl@ss 5.0	27061801
eCl@ss 5.1	27260701
eCl@ss 6.0	27279220
eCl@ss 7.0	27440103
eCl@ss 8.0	27440103

### ETIM

ETIM 2.0	EC001297
ETIM 3.0	EC002061
ETIM 4.0	EC002061

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## Classifications

### ETIM

ETIM 5.0	EC002061
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### UNSPSC

UNSPSC 6.01	31251501
UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	31251501

## Approvals

### Approvals

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#### Approvals

UL Recognized / EAC

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#### Ex Approvals

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#### Approvals submitted

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### Approval details

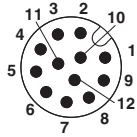
UL Recognized 	
mm <sup>2</sup> /AWG/kcmil	26-20
Nominal current I <sub>N</sub>	1.5 A
Nominal voltage U <sub>N</sub>	30 V

EAC
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## Drawings

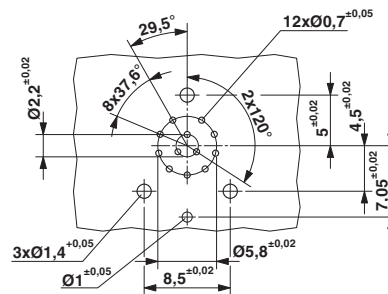
# Flush-type connector - SACC-CI-M12MS-12CON-L180 THRSH - 1442065

Schematic diagram



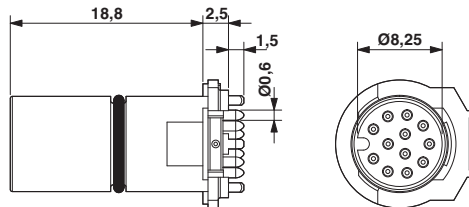
Pin assignment of M12 male connector, 12-pos.,  
A-coded, view of pin side

Drilling diagram



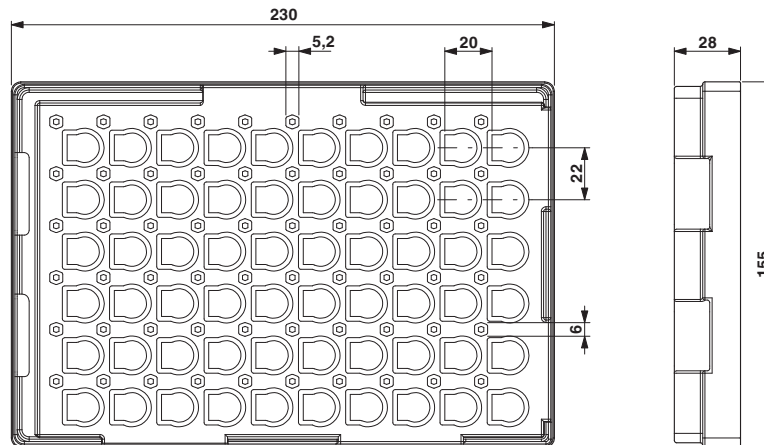
Drilling diagram

Dimensional drawing



M12 plug, straight

Dimensional drawing



THR tray packaging

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