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## Flush-type socket - SACC-CI-M12FSX-8CON-L180-THR - 1410979

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Cat6<sub>A</sub> flush-type socket, Ethernet, 8-pos., rear mounting, with straight solder connection

### Product Features

- 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



### Key Commercial Data

Packing unit	1 pc
Minimum order quantity	20 pc
Weight per Piece (excluding packing)	5.0 g
Country of origin	Germany

### Technical data

#### Ambient conditions

Ambient temperature (operation)	-40 °C ... 85 °C
Degree of protection	IP67 (when plugged in)

#### 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	0.5 A

# Flush-type socket - SACC-CI-M12FSX-8CON-L180-THR - 1410979

## Technical data

### General

Rated voltage	50 V AC
	60 V DC
Rated surge voltage	1.5 kV
Number of positions	8
Insulation resistance	> 100 MΩ
Coding	X - data
Standards/regulations	M12 connector IEC 61076-2-109
Signal type/category	Ethernet CAT6 <sub>A</sub>
Overvoltage category	III
Degree of pollution	3
Connection method	THR solder connection
Insertion/withdrawal cycles	> 100
Mounting type	PCB mounting

### Material

Flammability rating according to UL 94	V0
Contact material	CuZn
Contact surface material	Ni/Au
Contact carrier material	PPA
Material	Zinc die-cast, nickel-plated

### Cable

Transmission characteristics (category)	CAT6 <sub>A</sub>
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### Standards and Regulations

Standard designation	M12 connector
Standards/regulations	IEC 61076-2-109
Flammability rating according to UL 94	V0

## Classifications

### eCl@ss

eCl@ss 5.1	27143423
eCl@ss 6.0	27143423
eCl@ss 8.0	27440103
eCl@ss 9.0	27440102

### ETIM

ETIM 4.0	EC002635
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## Flush-type socket - SACC-CI-M12FSX-8CON-L180-THR - 1410979

### Classifications

#### ETIM

ETIM 5.0	EC002061
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### Approvals

#### Approvals


#### Approvals


UL Recognized / cUL Recognized / cULus Recognized

#### Ex Approvals

#### Approvals submitted

### Approval details

UL Recognized 	
Nominal current I <sub>N</sub>	0.5 A
Nominal voltage U <sub>N</sub>	60 V

cUL Recognized 	
Nominal current I <sub>N</sub>	0.5 A
Nominal voltage U <sub>N</sub>	60 V

cULus Recognized 	
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### Accessories

#### Accessories

Contact insert



## Flush-type socket - SACC-CI-M12FSX-8CON-L180-THR - 1410979

### Accessories

Sample set - SACC-CIM12FSX8CONL180THRSAMPLE - 1422992



Cat6<sub>A</sub> flush-type socket, Ethernet, 8-pos., rear mounting, with straight solder connection

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### Panel mounting base

Housing screw connection - SACC-M12-SCO NUT - 1552243



M12 SPEEDCON housing screw connection for M12 female inserts, with O-ring, for all SPEEDCON-capable THR and wave soldering contact carriers

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Housing screw connection - SACC-DSIV-M12-NUT - 1416144



Housing screw connection with M12 standard thread, with O-ring, for the two-piece straight M12 THR contact carrier and for the two-piece angled M12 contact carrier

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Housing screw connection - SACC-M12-SCO NUT L 90 - 1432460



M12-SPEEDCON housing screw connection for M12 female inserts, with flat gasket, for all Speedcon-compatible THR and wave soldering contact carriers

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Housing screw connection - SACC-BP-F-M12/M15-6-THR - 1414004



Housing screw connection, SocketLink:M12, Rear mounting, M15 x 1

## Flush-type socket - SACC-CI-M12FSX-8CON-L180-THR - 1410979

### Accessories

Housing screw connection - SACC-BP-F-M12/M15-7-THR - 1414003



Housing screw connection, SocketLink:M12, Rear mounting, M15 x 1

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Housing screw connection - SACC-BP-F-M12/M15-6-THR SCO - 1414020



Housing screw connection, SocketLink:M12-SPEEDCON, Rear mounting, M15 x 1

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Housing screw connection - SACC-BP-F-M12/M15-7-THR SCO - 1414005



Housing screw connection, SocketLink:M12-SPEEDCON, Rear mounting, M15 x 1

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Housing screw connection - SACC-BP-F-M12/THR-1,0/1,8-9TIP - 1419630



M12 threaded sleeve with tolerance-compensating function, for straight, THR solderable M12 socket contact inserts. Suitable for 1.0 mm ... 1.8 mm thick front plates.

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SACC-BP-F-M12/THR-1,7/2,5-9TIP - 1419631



M12 threaded sleeve with tolerance-compensating function, for straight, THR solderable M12 socket contact inserts. Suitable for 1.7 mm ... 2.5 mm thick front plates.

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## Flush-type socket - SACC-CI-M12FSX-8CON-L180-THR - 1410979

### Accessories

SACC-BP-F-M12/THR-2,4/3,2-9TIP - 1419633



M12 threaded sleeve with tolerance-compensating function, for straight, THR solderable M12 socket contact inserts. Suitable for 2.4 mm ... 3.2 mm thick front plates.

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SACC-BP-F-M12/THR-3,1/3,9-9TIP - 1419634



M12 threaded sleeve with tolerance-compensating function, for straight, THR solderable M12 socket contact inserts. Suitable for 3.1 mm ... 3.9 mm thick front plates.

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Housing screw connection - SACC-M12 NUT PRESS - 1437889



Housing screw connection for two-piece M12 connectors for the reflow soldering process.

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Housing screw connection - SACC-DSIV-M12-NUT-9 THR - 1417989



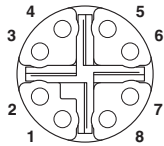
Housing screw connection with M12 standard thread, with O-ring, for the two-piece straight M12 THR contact carrier and for the two-piece angled M12 contact carrier

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### Drawings

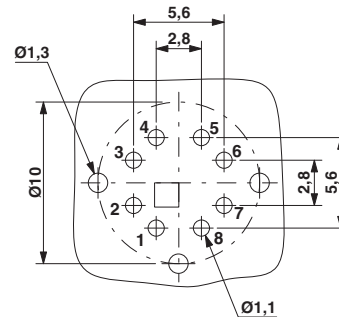
## Flush-type socket - SACC-CI-M12FSX-8CON-L180-THR - 1410979

Schematic diagram



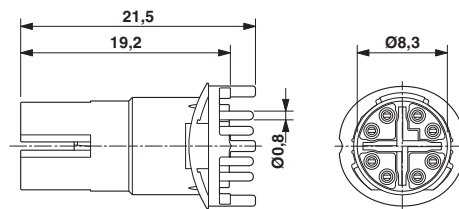
Pin assignment M12 connector, 8-pos., view socket side

Drilling diagram



Soldering pad geometry

Dimensional drawing



M12 female connector contact carrier