

## Flush-type connector - SACC-CI-M12FSX-8CON-L90 - 1424180

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CAT6<sub>A</sub> contact carrier, Ethernet, 8-pos., rear mounting, with angled solder connection

M12 panel feed-through, rear mounting

### Why buy this product

- Reduced mounting costs thanks to two-piece device connector
- 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                         | 20 STK  |
| Minimum order quantity               | 20 STK  |
| GTIN                                 | <br>4 046356 692663 |
| Weight per Piece (excluding packing) | 6.16 g  |
| Custom tariff number                 | 85366990  |
| Country of origin                    | Germany   |

### Technical data

#### Ambient conditions

|                                 |                                  |
|---------------------------------|----------------------------------|
| Ambient temperature (operation) | -40 °C ... 85 °C (Plug / socket) |
| 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. |
|------|--|

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## Technical data

### General

|                             |                                      |
|-----------------------------|--------------------------------------|
| Rated current at 40°C       | 0.5 A (Data)                         |
| Rated voltage               | 50 V AC (Data)                       |
|                             | 60 V DC                              |
| Rated surge voltage         | 0.8 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> , 10 Gbps |
| Overvoltage category        | III                                  |
| Degree of pollution         | 3                                    |
| Connection method           | Wave soldering contacts              |
| Insertion/withdrawal cycles | ≥ 100                                |
| Mounting type               | Rear mounting                        |
| Type of packaging           | Tray                                 |

### Material

|  |       |
|--|-------|
| Flammability rating according to UL 94 | V0    |
| Contact material                       | CuZn  |
| Contact surface material               | Ni/Au |
| Contact carrier material               | PPA   |

### Cable

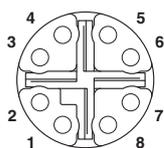
|   |                               |
|---|-------------------------------|
| Standards/specifications                | M12 connector IEC 61076-2-109 |
| Transmission characteristics (category) | CAT6 <sub>A</sub>             |

### Standards and Regulations

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

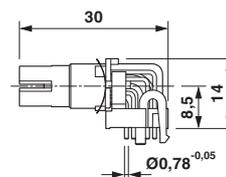
## Drawings

Schematic diagram



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

Dimensional drawing



M12 female connector contact carrier

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## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 272607xx |
| eCl@ss 4.1 | 27260701 |
| eCl@ss 5.0 | 27260701 |
| eCl@ss 5.1 | 27260701 |
| eCl@ss 6.0 | 27180802 |
| eCl@ss 7.0 | 27182702 |
| eCl@ss 8.0 | 27440103 |
| eCl@ss 9.0 | 27440102 |

### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC001031 |
| ETIM 4.0 | EC002062 |
| ETIM 5.0 | EC002061 |

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 31261501 |
| UNSPSC 7.0901 | 31261501 |
| UNSPSC 11     | 31261501 |
| UNSPSC 12.01  | 31261501 |
| UNSPSC 13.2   | 31261501 |

## Approvals

### Approvals

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#### Approvals

EAC / EAC / UL Recognized / cUL Recognized / EAC / cULus Recognized

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#### Ex Approvals

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#### Approvals submitted

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### Approval details

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|-----|
| EAC |
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|     |
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| EAC |
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# Flush-type connector - SACC-CI-M12FSX-8CON-L90 - 1424180

## Approvals

|                    |       |
|--------------------|-------|
| UL Recognized      |       |
| Nominal current IN | 0.5 A |
| Nominal voltage UN | 60 V  |

|                    |       |
|--------------------|-------|
| cUL Recognized     |       |
| Nominal current IN | 0.5 A |
| Nominal voltage UN | 60 V  |

|     |
|-----|
| EAC |
|-----|

|                  |
|------------------|
| cULus Recognized |
|------------------|

## Accessories

### Accessories

#### 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

#### 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

## Flush-type connector - SACC-CI-M12FSX-8CON-L90 - 1424180

### Accessories

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

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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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## Flush-type connector - SACC-CI-M12FSX-8CON-L90 - 1424180

### Accessories

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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### Protective cap

Screw plug - PROT-M12 - 1680539



An M12 screw plug for the unoccupied M12 sockets of the sensor/actuator cable, boxes and flush-type connectors

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Screw plug - PROT-M12 SH - 1503302



An M12 screw plug for the unoccupied M12 sockets of the shielded sensor/actuator cable, boxes and flush-type connectors

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Screw plug - PROT-M12 FB - 1555538



M12 high-grade steel screw plug, for unoccupied M12 sockets of the sensor/actuator cables, boxes and flush-type connectors for the food industry

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