

SACC-CIM12FS8PL180THRSHSAMPLE - Sample set



1413561

<https://www.phoenixcontact.com/us/products/1413561>

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Sensor/actuator flush-type socket, 8-pos., with straight THR solder connection, only contact insert

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1413561 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | NULL |
| Product key | ABQAGG |
| GTIN | 4055626008301 |
| Weight per piece (including packing) | 5.3 g |
| Weight per piece (excluding packing) | 2.975 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

Technical data

Notes

| | |
|--------------------|--|
| Notes on operation | 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. |
|--------------------|--|

Product properties

| | |
|---------------------|----------------|
| Product type | Contact insert |
| Number of positions | 8 |
| Shielded | yes |
| Coding | A |
| Thread type | M12 |

Insulation characteristics

| | |
|----------------------|-----|
| Overvoltage category | III |
| Degree of pollution | 3 |

Electrical properties

| | |
|-----------------------|----------|
| Rated surge voltage | 0.8 kV |
| Contact resistance | ≤ 3 mΩ |
| Insulation resistance | ≥ 100 MΩ |
| Nominal voltage U_N | 30 V |
| Nominal current I_N | 2 A |

Connection data

| | |
|-------------------|-----------------------|
| Connection method | THR solder connection |
|-------------------|-----------------------|

Signaling

| | |
|------------------------|----|
| Status display | no |
| Status display present | no |

Material specifications

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

Connector

Connection 1

| | |
|-------------|--------|
| Head design | Socket |
|-------------|--------|

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| | |
|-------------------|----------|
| Head cable outlet | straight |
| Coding | A |

Cable/line

| | |
|---------------------------------|---|
| Ambient temperature (operation) | -40 °C ... 85 °C (cable, fixed installation) |
| | -25 °C ... 85 °C (Cable, flexible installation) |

Mechanical properties

Mechanical data

| | |
|-----------------------------|-------|
| Insertion/withdrawal cycles | > 100 |
|-----------------------------|-------|

Environmental and real-life conditions

Ambient conditions

| | |
|---|---|
| Degree of protection | IP67 |
| Ambient temperature (operation) (male connector/female connector) | -25 °C ... 85 °C (Plug / socket) |
| | -40 °C ... 85 °C (without mechanical actuation) |
| Ambient temperature (operation) (Cable, flexible installation) | -25 °C ... 85 °C (Cable, flexible installation) |
| Ambient temperature (operation) (Cable, fixed installation) | -40 °C ... 85 °C (cable, fixed installation) |
| UL Type Rating | Type 4 (indoor use only) |

Standards and regulations

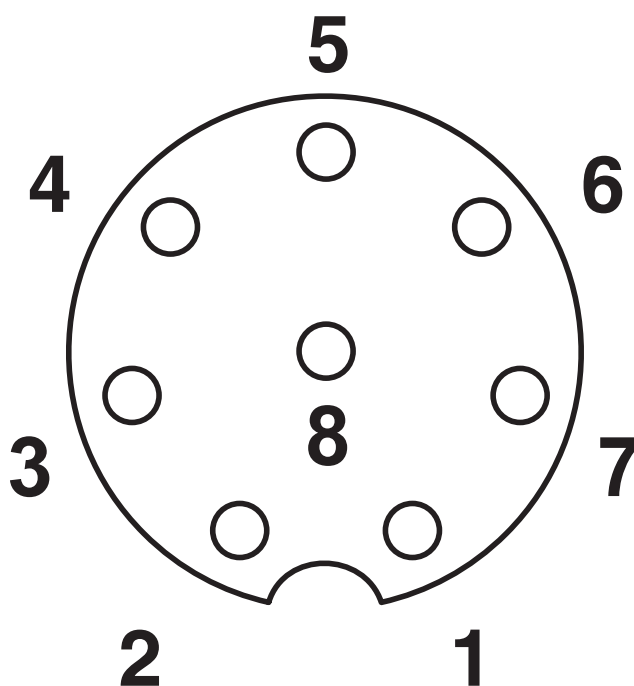
| | |
|--------------------------|------------------------------|
| Standard designation | M12 circular connector |
| Standards/specifications | according to IEC 61076-2-101 |

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Drawings

Schematic diagram



Pin assignment M12 socket, 8-pos., A-coded, view female side

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Classifications

ETIM

ETIM 9.0

EC003557

UNSPSC

UNSPSC 21.0

39121400

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Environmental product compliance

EU RoHS

| | |
|---|------|
| Fulfills EU RoHS substance requirements | Yes |
| Exemption | 6(c) |

China RoHS

| | |
|--|---|
| Environment friendly use period (EFUP) | EFUP-50 |
| | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

EU REACH SVHC

| | |
|-------------------------------------|--------------------------------------|
| REACH candidate substance (CAS No.) | Lead(CAS: 7439-92-1) |
| SCIP | f73891dc-0845-4887-8d71-b7b698c29237 |

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