

SACC-CIP-M12MST-4P SMD SH-SP - Sample set



1418644

<https://www.phoenixcontact.com/us/products/1418644>

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Sample set, 4-position, Pin, straight, M12, coding: T, PCB mounting, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239208

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1418644 |
| Packing unit | 5 pc |
| Minimum order quantity | 5 pc |
| Product key | ABQXAA |
| GTIN | 4055626162973 |
| Weight per piece (including packing) | 8.3 g |
| Weight per piece (excluding packing) | 8.3 g |
| Country of origin | DE |

Technical data

Notes

| | |
|---------|--|
| General | 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 | 4 |
| Application | Power |
| Seal present | yes |
| Shielded | yes |
| Coding | T |
| Thread type | M12 |

Insulation characteristics

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

Electrical properties

| | |
|--|----------------------------|
| Rated voltage in acc. with IEC 61076-2-101 | 630 V |
| Contact resistance | $\leq 3 \text{ m}\Omega$ |
| Insulation resistance | $\geq 100 \text{ M}\Omega$ |
| Nominal voltage U_N | 60 V |
| Nominal current I_N | 12 A |

Material specifications

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

Connector

Connection 1

| | |
|-------------------|----------|
| Head design | Pin |
| Head cable outlet | straight |
| Head thread type | M12 |
| Coding | T |

Mechanical properties

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Mechanical data

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

Environmental and real-life conditions

Ambient conditions

| | |
|--|---|
| Degree of protection (when plugged in) | IP67 (correctly plugged in and locked) |
| Degree of protection (not plugged in) | IP65 (not plugged in, by means of additional O-ring seal with device) |
| Degree of protection | IP67 |
| Ambient temperature (operation) | -25 °C ... 105 °C |
| | -40 °C ... 105 °C (without mechanical actuation) |

Standards and regulations

M12

| | |
|--------------------------|-----------------|
| Standard designation | M12 connector |
| Standards/specifications | IEC 61076-2-111 |
| Note | In line with |

Mounting

| | |
|---------------|--------------|
| Mounting type | PCB mounting |
|---------------|--------------|

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-11.0 | 27440223 |
| ECLASS-12.0 | 27440223 |
| ECLASS-13.0 | 27440223 |

ETIM

| | |
|----------|----------|
| ETIM 9.0 | EC003557 |
|----------|----------|

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 39121400 |
|-------------|----------|

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Environmental product compliance

| | |
|------------|--|
| REACH SVHC | Lead 7439-92-1 |
| China RoHS | Environmentally Friendly Use Period = 50 years |
| | For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads" |

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