

SACC-CIP-M8FS-3P SMD SH T - Contact carrier



1412235

<https://www.phoenixcontact.com/us/products/1412235>

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Contact carrier, 3-position, Socket, straight, M8, coding: A, PCB mounting, SMD reflow, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1308261

Your advantages

- 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
- Additional gasket for the device when not plugged in

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1412235 |
| Packing unit | 60 pc |
| Minimum order quantity | 60 pc |
| Sales key | AB22 |
| Product key | ABQHCG |
| GTIN | 4046356988773 |
| Weight per piece (including packing) | 2.77 g |
| Weight per piece (excluding packing) | 2.6 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

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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 |
| Application | Signal |
| Number of positions | 3 |
| Seal present | yes |
| Shielded | yes |
| Coding | A |
| Thread type | M8 |

Data management status

| | |
|------------------|----|
| Article revision | 01 |
|------------------|----|

Insulation characteristics

| | |
|----------------------|-----|
| Overvoltage category | III |
|----------------------|-----|

Electrical properties

| | |
|-----------------------|----------------------------|
| Contact resistance | $\leq 3 \text{ m}\Omega$ |
| Insulation resistance | $\geq 100 \text{ M}\Omega$ |
| Nominal voltage U_N | 48 V AC |
| | 60 V DC |
| Nominal current I_N | 4 A |

Connection data

| | |
|-------------------|------------|
| Connection method | SMD reflow |
|-------------------|------------|

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 | Socket |
| Head cable outlet | straight |

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| | |
|------------------|----|
| Head thread type | M8 |
| Coding | A |

Mechanical properties

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 | IP67 |
| Ambient temperature (operation) | -25 °C ... 105 °C (Plug / socket) |
| | -40 °C ... 105 °C (without mechanical actuation) |

Standards and regulations

| | |
|--------------------------|-----------------|
| Standard designation | M8 connector |
| Standards/specifications | IEC 61076-2-104 |

Mounting

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

Packaging specifications

| | |
|-------------------|------|
| Type of packaging | Tray |
|-------------------|------|

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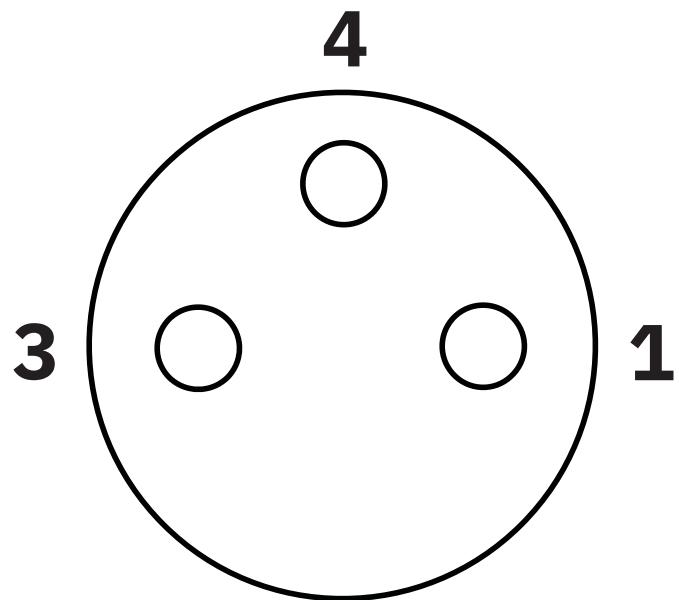
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Drawings

Schematic diagram



Pin assignment M8 socket, 3-pos., view female side

Approvals

ⓘ To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1412235>

| cULus Recognized | | | | |
|-------------------------------|-----------------------|-----------------------|-------------------|----------------------|
| Approval ID: E221474-20160506 | | | | |
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| | 60 V | 4 A | - | - |

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-11.0 | 27440102 |
| ECLASS-12.0 | 27440116 |
| ECLASS-13.0 | 27440116 |

ETIM

| | |
|----------|----------|
| ETIM 9.0 | EC002635 |
|----------|----------|

UNSPSC

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

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 | faad76df-fbdc-405e-8881-30f525ab3a26 |

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