

SACC-CI-M12MS-17CON-L90 SH - Contact carrier



1424200

<https://www.phoenixcontact.com/us/products/1424200>

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Contact carrier, 17-position, Pin, angled, M12, A-coding, Wave soldering, this item is expected to be lead-free from Q1 2027 in accordance with RoHS II without exception 6c (Pb < 0.1%), a lead-free alternative is possible on request in advance

Your advantages

- 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

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1424200 |
| Packing unit | 20 pc |
| Minimum order quantity | 20 pc |
| Sales key | AB23 |
| Product key | ABQAHA |
| GTIN | 4046356692946 |
| Weight per piece (including packing) | 6.89 g |
| Weight per piece (excluding packing) | 5.181 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 |
| Application | Signal |
| Number of positions | 17 |
| No. of control contacts | 17 |
| 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 | $\leq 3 \text{ m}\Omega$ |
| Insulation resistance | $\geq 100 \text{ M}\Omega$ |
| Nominal voltage U_N | 30 V |
| Nominal current I_N | 1.5 A |

Connection data

| | |
|-------------------|----------------|
| Connection method | Wave soldering |
|-------------------|----------------|

Material specifications

| | |
|--|-------|
| Material Contact carrier | PA 6T |
| Material Contact | CuZn |
| Material Contact surface | Au |
| Flammability rating according to UL 94 | V0 |

Connector

Connection 1

| | |
|-------------------|--------|
| Head design | Pin |
| Head cable outlet | angled |
| Head thread type | M12 |
| Coding | A |

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Mechanical properties

Mechanical data

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

Environmental and real-life conditions

Ambient conditions

| | |
|---|---|
| Degree of protection | IP67 |
| | IP67, when in locked state |
| Ambient temperature (operation) (male connector/female connector) | -25 °C ... 85 °C |
| | -40 °C ... 85 °C (without mechanical actuation) |

Standards and regulations

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

Packaging specifications

| | |
|-------------------|---------|
| Type of packaging | Blister |
|-------------------|---------|

Drawings

Schematic diagram



Pin assignment M12 male connector, 17-pos., male side view

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1424200>

|  UL Recognized Approval ID: E118976-20100522 | | | | |
|---|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| keine | | | | |
| | 30 V | 1.5 A | 26 | - |

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27440223 |
| ECLASS-15.0 | 27440223 |

ETIM

| | |
|-----------|----------|
| ETIM 10.0 | 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 | e63b35ee-35db-4182-927b-1eb94f9ad175 |

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