

SACC-CI-M12FS-4CON-L90 SCO - Contact carrier



1436628

<https://www.phoenixcontact.com/us/products/1436628>

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Contact carrier, 4-position, Socket, angled, M12, A-coding, Wave soldering, this item is expected to be lead-free from Q2 2026 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
- Additional gasket for the device when not plugged in

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1436628 |
| Packing unit | 20 pc |
| Minimum order quantity | 1 pc |
| Sales key | AB23 |
| Product key | ABQAHS |
| GTIN | 4046356438698 |
| Weight per piece (including packing) | 5 g |
| Weight per piece (excluding packing) | 3.352 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 | 4 |
| No. of control contacts | 4 |
| Seal present | yes |
| Shielded | no |
| Coding | A |
| Thread type | M12 |

Insulation characteristics

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

Electrical properties

| | |
|-----------------------|----------|
| Rated surge voltage | 2.5 kV |
| Contact resistance | ≤ 3 mΩ |
| Insulation resistance | ≥ 100 MΩ |
| Nominal voltage U_N | 250 V |
| Nominal current I_N | 4 A |

Connection data

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

Signaling

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

Material specifications

| | |
|----------------------------------------|------------|
| Material Contact carrier | PA 6.6 |
| Material Contact | CuZn |
| Material Contact surface | Au |
| Material Seal | FKM / EPDM |
| Flammability rating according to UL 94 | V0 |

Connector

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Connection 1

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

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 |
| | -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 |
|-------------------|---------|

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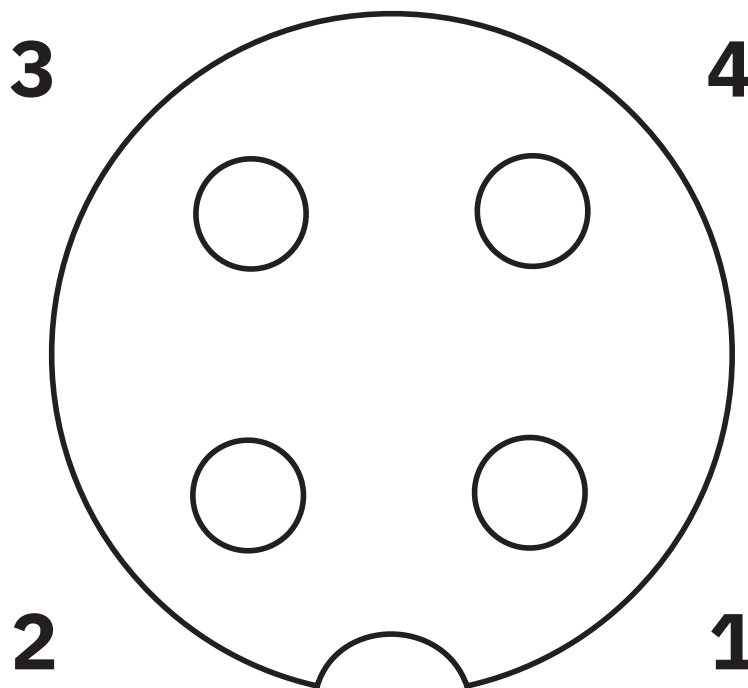
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Drawings

Schematic diagram



Pin assignment M12 socket, 4-pos., A-coded, view female side

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1436628>

|  cUL Recognized Approval ID: E118976-20100522 | | | | |
|------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| keine | | | | |
| | 250 V | 4 A | 22 | - |

|  UL Recognized Approval ID: E118976-20100522 | | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| keine | | | | |
| | 250 V | 4 A | 22 | - |

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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 | 4613d970-6600-4b07-8e67-1498948ed001 |

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