

SACC-CI-M12MS-8CON-L90 SCO - Contact carrier



1436987

<https://www.phoenixcontact.com/us/products/1436987>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Contact carrier, 8-position, Pin, angled, M12, A-coding, Wave soldering, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

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 | 1436987 |
| Packing unit | 20 pc |
| Minimum order quantity | 1 pc |
| Sales key | AB23 |
| Product key | ABQAHM |
| GTIN | 4046356438551 |
| Weight per piece (including packing) | 5.235 g |
| Weight per piece (excluding packing) | 3.6 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 | 8 |
| No. of control contacts | 8 |
| Seal present | yes |
| Shielded | no |
| 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 | 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

SACC-CI-M12MS-8CON-L90 SCO - Contact carrier



1436987

<https://www.phoenixcontact.com/us/products/1436987>

Connection 1

| | |
|-------------------|--------|
| Head design | Pin |
| 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 |
|-------------------|---------|

1436987

<https://www.phoenixcontact.com/us/products/1436987>

Drawings

Schematic diagram



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

SACC-CI-M12MS-8CON-L90 SCO - Contact carrier



1436987

<https://www.phoenixcontact.com/us/products/1436987>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1436987>

|  UL Recognized Approval ID: E118976-20100522 | | | | |
|---|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| keine | | | | |
| | 30 V | 2 A | 24 | - |

SACC-CI-M12MS-8CON-L90 SCO - Contact carrier



1436987

<https://www.phoenixcontact.com/us/products/1436987>

Classifications

ECLASS

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

ETIM

| | |
|-----------|----------|
| ETIM 10.0 | EC003557 |
|-----------|----------|

UNSPSC

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

SACC-CI-M12MS-8CON-L90 SCO - Contact carrier



1436987

<https://www.phoenixcontact.com/us/products/1436987>

Environmental product compliance

EU RoHS

| | |
|---|--------------------|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |
|---|--------------------|

China RoHS

| | |
|--|--|
| Environment friendly use period (EFUP) | EFUP-E |
| | No hazardous substances above the limits |

EU REACH SVHC

| | |
|-------------------------------------|----------------------------|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

Phoenix Contact 2026 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com