

# SACC-CI-M12FS-17CON-L90 - Contact carrier



1424197

<https://www.phoenixcontact.com/us/products/1424197>

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Contact carrier, 17-position, Socket, angled, M12, coding: A, PCB mounting, Wave soldering, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239454

## 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                          | 1424197             |
| Packing unit                         | 20 pc               |
| Minimum order quantity               | 20 pc               |
| Sales key                            | AB23                |
| Product key                          | ABQAHS              |
| Catalog page                         | Page 253 (C-2-2013) |
| GTIN                                 | 4046356692915       |
| Weight per piece (including packing) | 6.924 g             |
| Weight per piece (excluding packing) | 6.46 g              |
| Customs tariff number                | 85366990            |
| Country of origin                    | DE                  |

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## 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 | 17             |
| Application         | Signal         |
| 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    | $\leq 3 \text{ m}\Omega$   |
| 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 |
|-------------------|----------------|

### Signaling

|                        |    |
|------------------------|----|
| Status display         | No |
| Status display present | No |

### Material specifications

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

### Connector

#### Connection 1

|             |        |
|-------------|--------|
| Head design | Socket |
|-------------|--------|

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|                   |        |
|-------------------|--------|
| 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  |
|                                 | IP67, when in locked state                      |
| Ambient temperature (operation) | -25 °C ... 85 °C (Plug / socket)                |
|                                 | -40 °C ... 85 °C (without mechanical actuation) |

## Standards and regulations

### M12

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

## Mounting

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

## Packaging specifications

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

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27440102 |
| ECLASS-12.0 | 27440116 |
| ECLASS-13.0 | 27460201 |

### ETIM

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

### 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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