

# SACC-CI-M12FS-17P SMD SH-SP - Sample set



1418641

<https://www.phoenixcontact.com/us/products/1418641>

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Sample set, 17-position, Socket, straight, M12, coding: A, PCB mounting, SMD, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239205

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1418641       |
| Packing unit                         | 5 pc          |
| Minimum order quantity               | 5 pc          |
| Product key                          | ABQXAA        |
| GTIN                                 | 4055626162942 |
| Weight per piece (including packing) | 7.66 g        |
| Weight per piece (excluding packing) | 7.66 g        |
| Country of origin                    | DE            |

## 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             |
| 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    | ≤ 3 mΩ   |
| Insulation resistance | ≥ 100 MΩ |
| Nominal voltage $U_N$ | 30 V     |
| Nominal current $I_N$ | 1.5 A    |

### Connection data

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

### Material specifications

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

### Connector

#### Connection 1

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

### Mechanical properties

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## 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 (correctly plugged in and locked)<br>IP67, when plugged in       |
| Ambient temperature (operation)        | -25 °C ... 105 °C<br>-55 °C ... 105 °C (without mechanical actuation) |

## Standards and regulations

### M12

|                          |                 |
|--------------------------|-----------------|
| Standard designation     | M12 connector   |
| Standards/specifications | IEC 61076-2-101 |
| Note                     | In line with    |

## Mounting

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

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27440223 |
| ECLASS-12.0 | 27440223 |
| ECLASS-13.0 | 27440223 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC003557 |
|----------|----------|

### 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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