

# SACC-M12 PLUG PRESS - Housing screw connection



1437892

<https://www.phoenixcontact.com/us/products/1437892>

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Housing screw connection, Pin, M12-Screw locking mechanism, THR solder connection, 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

- Easy device integration, thanks to mechanical port screw connections with press-in contour
- Flexible PCB assembly: two-piece connectors for wave and THR soldering

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1437892       |
| Packing unit                         | 10 pc         |
| Minimum order quantity               | 10 pc         |
| Sales key                            | AB23          |
| Product key                          | ABQACD        |
| GTIN                                 | 4046356457569 |
| Weight per piece (including packing) | 9.53 g        |
| Weight per piece (excluding packing) | 9.24 g        |
| Customs tariff number                | 74153300      |
| Country of origin                    | DE            |

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## 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 | Circular connector housing |
| Seal present | no                         |
| Thread type  | M12                        |

### Connection data

|                   |                       |
|-------------------|-----------------------|
| Connection method | THR solder connection |
|-------------------|-----------------------|

### Material specifications

|                          |      |
|--------------------------|------|
| Material Housing         | CuZn |
| Material Housing surface | Ni   |

### Connector

#### Connection 1

|                   |                         |
|-------------------|-------------------------|
| Head design       | Pin                     |
| Head thread type  | M12                     |
| Head locking type | Screw locking mechanism |

### Mechanical properties

#### 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 in locked state                  |
| Ambient temperature (operation) (male connector/female connector) | -25 °C ... 105 °C (Plug / socket)<br>-40 °C ... 105 °C (without mechanical actuation) |
| UL Type Rating  | Type 4 (indoor use only)  |

### Standards and regulations

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

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## Mounting

Mounting type

Front mounting (Press-in mounting)

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27440224 |
| ECLASS-15.0 | 27440224 |

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | EC003556 |
|-----------|----------|

### UNSPSC

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

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## 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% |
|-------------------------------------|----------------------------|

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