# SACC-DSIV-M12-PLUG-9 THR - Housing screw connection

1417984

https://www.phoenixcontact.com/us/products/1417984

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Housing screw connection, Pin, M12-Screw locking mechanism, THR solder connection, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

## Your advantages

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

## Commercial data

| | |
|---|---|
| Item number | 1417984 |
| Packing unit | 100 pc |
| Minimum order quantity | 100 pc |
| Sales key | AB23 |
| Product key | ABQACB |
| GTIN | 4055626276977 |
| Weight per piece (including packing) | 9.166 g |
| Weight per piece (excluding packing) | 9.166 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. |
| Order information: | If necessary, order locking nut separately |

### Product properties

| | |
|---|---|
| Product type | Circular connector housing |
| Thread type | M12 |

### Connection data

| | |
|---|---|
| Connection method | THR solder connection |
| Tightening torque | 2 ... 3 Nm |

### Material specifications

| | |
|---|---|
| Material Housing | Brass, nickel-plated |
| Material Seal | FKM (O-ring on housing) |
| | FKM (O-ring (pin connector pattern)) |

### Connector

Connection 1

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

### 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) |
| | IP67, when in locked state |
| Ambient temperature (operation) (male connector/female connector) | -25 °C ... 85 °C (Plug / socket) |
| | -40 °C ... 85 °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 |

### Mounting

| | |
|---|---|
| Mounting type | Front mounting (M14 x 1) |

## Classifications

### ECLASS

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

### ETIM

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

### UNSPSC

| | |
|---|---|
| UNSPSC 21.0 | 39121100 |

## 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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