

SACC-CI-M12FSR-4CON-L90 THR R - Contact carrier



1706527

<https://www.phoenixcontact.com/us/products/1706527>

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Contact carrier, 4-position, Socket, angled, M12, A-coding, THR solder connection

Product description

Pin assignment rotated 180°

Your advantages

- Suitable for pick-and-place: Automated assembly on the PCB helps to increase efficiency in production
- Optimized design: Shifted center of gravity, thereby “effortless” standing on the PCB without locking clips
- Flexible: Easy positioning and alignment on the PCB even in confined spaces
- Modular: Compatible with the available THR housings

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1706527 |
| Packing unit | 120 pc |
| Minimum order quantity | 120 pc |
| Sales key | AB23 |
| Product key | ABQAHT |
| GTIN | 4067923266735 |
| Weight per piece (including packing) | 8.75 g |
| Weight per piece (excluding packing) | 5.296 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: | Not compatible with SPEEDCON housings. |

Product properties

| | |
|---------------------|----------------|
| Product type | Contact insert |
| Application | Signal |
| Number of positions | 4 |
| Shielded | no |
| Coding | A |
| Thread type | M12 |

Insulation characteristics

| | |
|----------------------|----|
| Overvoltage category | II |
| Degree of pollution | 3 |

Electrical properties

| | |
|-----------------------|----------------------------|
| Rated surge voltage | 2.5 kV |
| Contact resistance | $\leq 10 \text{ m}\Omega$ |
| Insulation resistance | $\geq 100 \text{ M}\Omega$ |
| Nominal voltage U_N | 250 V |
| Nominal current I_N | 4 A |

Connection data

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

Material specifications

| | |
|--|--------|
| Material Contact carrier | PA 6.6 |
| Material Contact | CuZn |
| Material Contact surface | Au |
| Flammability rating according to UL 94 | V0 |

Connector

Connection 1

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

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Mechanical properties

Mechanical data

| | |
|-----------------------------|-------|
| Insertion/withdrawal cycles | > 100 |
|-----------------------------|-------|

Environmental and real-life conditions

Ambient conditions

| | |
|---|--|
| Degree of protection | IP67 (correctly plugged in and locked) |
| Ambient temperature (operation) (male connector/female connector) | -25 °C ... 105 °C (Plug / socket) |
| | -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 |

Mounting

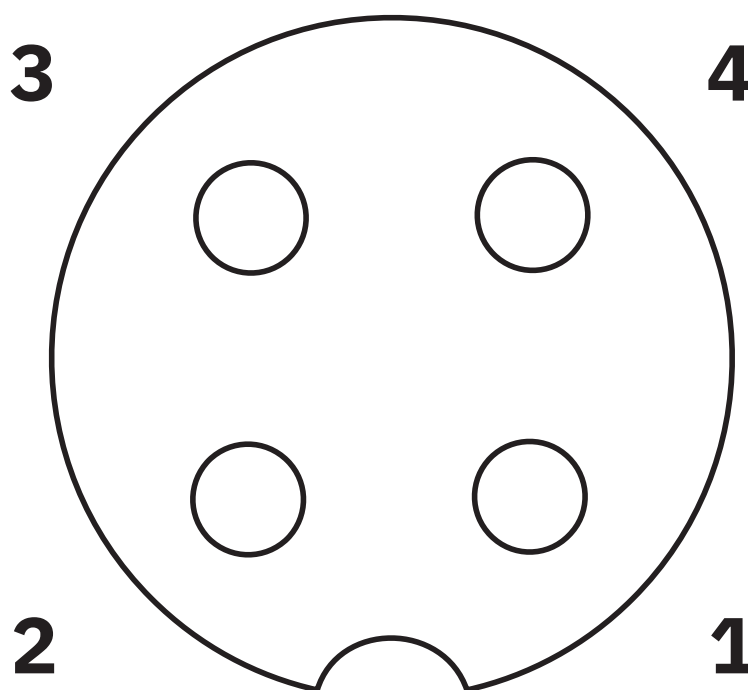
| | |
|---------------|---|
| Assembly note | The pin assignment is rotated 180° to comply with the standard. |
|---------------|---|

Packaging specifications

| | |
|-------------------|-------|
| Type of packaging | Belt |
| [W] tape width | 44 mm |

Drawings

Schematic diagram



Pin assignment M12 socket, 4-pos., A-coded, view female side

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Classifications

ECLASS

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

ETIM

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



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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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