

# SACC-CI-M12FSR-8CON-L90 THR R - Contact carrier



1506690

<https://www.phoenixcontact.com/us/products/1506690>

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Contact carrier, 8-position, Socket, angled, M12, A-coding, THR solder connection, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

## 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	1506690
Packing unit	120 pc
Minimum order quantity	120 pc
Sales key	AB23
Product key	ABQAHT
GTIN	4063151966782
Weight per piece (including packing)	9.7 g
Weight per piece (excluding packing)	6.156 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	8
Coding	A
Thread type	M12

#### Insulation characteristics

Overvoltage category	II
Degree of pollution	3

### Electrical properties

Rated surge voltage	0.8 kV
Contact resistance	$\leq 10 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$
Nominal voltage $U_N$	30 V
Nominal current $I_N$	2 A

### Connection data

Connection method	THR solder connection
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### 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

## Mechanical properties

### Mechanical data

Insertion/withdrawal cycles	> 100
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## 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.
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## Packaging specifications

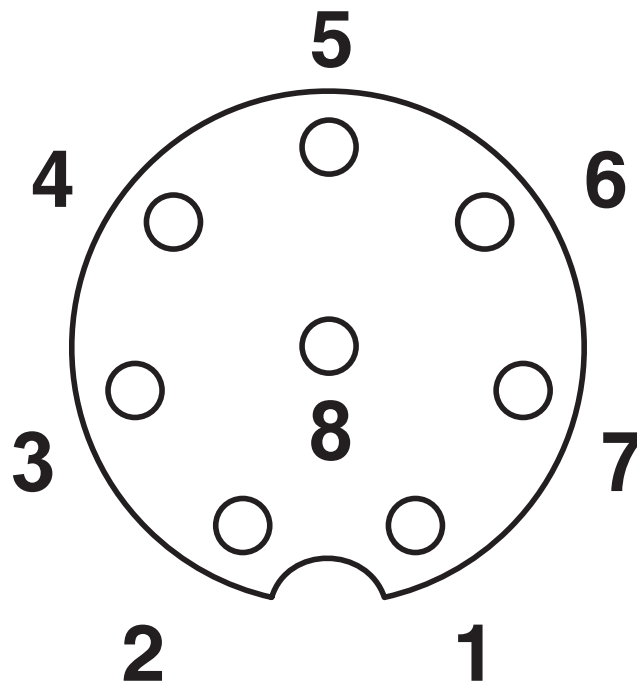
Type of packaging	Belt
[W] tape width	44 mm

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## Drawings

Schematic diagram



Pin assignment M12 socket, 8-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%