

1457623

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Contact carrier, 4-position, Socket, straight, M12, A-coding, THR solder connection, this item is expected to be lead-free from Q1 2026 in accordance with RoHS II without exception 6c (Pb < 0.1%), a lead-free alternative is possible on request in advance

Your advantages

- Reduced mounting costs thanks to two-piece device connector
- Packaging available for automated pick and place assembly
- All common pin assignments and codings available
- Easy device integration thanks to mechanical port screw connections with threaded attachment, press-in contour or direct integration in the front plate
- Additional gasket for the device when not plugged in

Commercial data

Item number	1457623
Packing unit	100 pc
Minimum order quantity	100 pc
Sales key	AB23
Product key	ABQAGH
GTIN	4046356617376
Weight per piece (including packing)	6.509 g
Weight per piece (excluding packing)	2.585 g
Customs tariff number	85366930
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.
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### Product properties

Product type	Contact insert
Application	Signal
Number of positions	4
Seal present	yes
Shielded	yes
Coding	A
Thread type	M12

### Insulation characteristics

Overvoltage category	II
Degree of pollution	3

### Electrical properties

Rated surge voltage	2.5 kV
Contact resistance	$\leq 3 \text{ m}\Omega$
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
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### Material specifications

Material Contact carrier	PA 6.6
Material Contact	CuZn
Material Contact surface	Ni/Au
Material Seal	FKM / EPDM
Flammability rating according to UL 94	V0

### Connector

#### Connection 1

Head design	Socket
Head cable outlet	straight
Head thread type	M12

# SACC-CI-M12FS-4CON-SH TOR 32 - Contact carrier



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Coding	A
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## Cable/line

Ambient temperature (operation)	-40 °C ... 85 °C (cable, fixed installation)
	-25 °C ... 85 °C (Cable, flexible installation)

## 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 ... 85 °C (Plug / socket)
	-40 °C ... 85 °C (without mechanical actuation)
Ambient temperature (operation) (Cable, flexible installation)	-25 °C ... 85 °C (Cable, flexible installation)
Ambient temperature (operation) (Cable, fixed installation)	-40 °C ... 85 °C (cable, fixed installation)
UL Type Rating	Type 4 (indoor use only)

## Standards and regulations

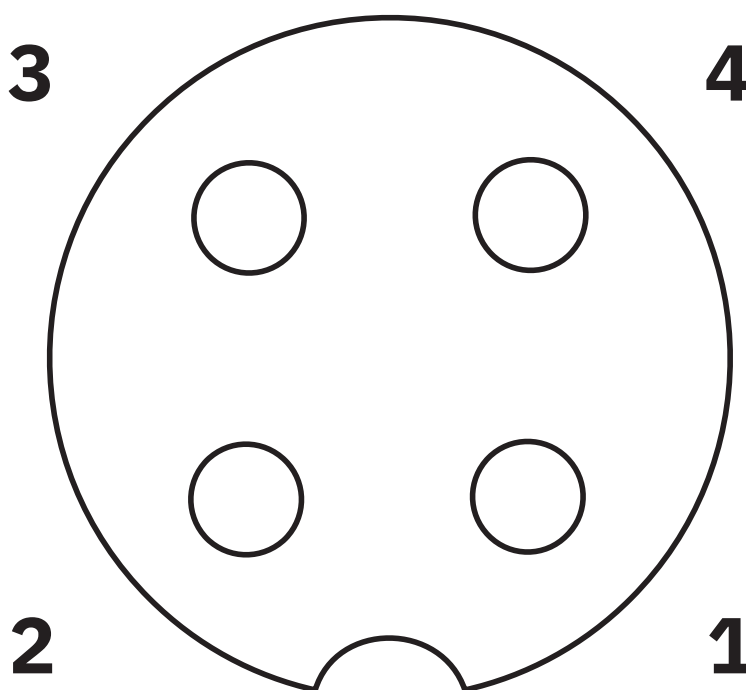
Standard designation	M12 circular connector
Standards/specifications	according to IEC 61076-2-101

## Packaging specifications

Type of packaging	Belt
Delivery state	with assembly pad

## Drawings

Schematic diagram



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

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## Approvals

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 <b>cUL Recognized</b> Approval ID: E118976-20100522				
	Nominal voltage U <sub>N</sub>	Nominal current I <sub>N</sub>	Cross section AWG	Cross section mm <sup>2</sup>
keine				
	250 V	4 A	22	-

 <b>UL Recognized</b> Approval ID: E118976-20100522				
	Nominal voltage U <sub>N</sub>	Nominal current I <sub>N</sub>	Cross section AWG	Cross section mm <sup>2</sup>
keine				
	250 V	4 A	22	-

 <b>cULus Recognized</b> Approval ID: E221474-20140616				
	Nominal voltage U <sub>N</sub>	Nominal current I <sub>N</sub>	Cross section AWG	Cross section mm <sup>2</sup>
keine				
	250 V	4 A	-	-

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## Classifications

### ECLASS

ECLASS-13.0	27440223
ECLASS-15.0	27440223

### ETIM

ETIM 9.0	EC003557
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

## EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

## China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

## EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	d780def3-33e2-4d63-8742-b5a0b10788af

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