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Contact carrier, Universal, 5-position, Socket, straight, M8, coding: B, PCB mounting, SMD reflow, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1308280

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
- Optional shield connection and seal for the device when not plugged in

Commercial data

Item number	1412259
Packing unit	100 pc
Minimum order quantity	100 pc
Sales key	AB22
Product key	ABQHCH
GTIN	4046356989015
Weight per piece (including packing)	5.83 g
Weight per piece (excluding packing)	5.83 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.
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### Product properties

Product type	Contact insert
Application	Data/signal
Sensor type	Universal
Number of positions	5
Seal present	yes
Shielded	yes
Coding	B
Thread type	M8

### Insulation characteristics

Overvoltage category	III
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### Electrical properties

Contact resistance	$\leq 3 \text{ m}\Omega$
Insulation resistance	$\leq 100 \text{ M}\Omega$
Nominal voltage $U_N$	30 V AC 30 V DC
Nominal current $I_N$	3 A

### Connection data

Connection method	SMD reflow
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### Interfaces

Bus system	DeviceNet™
Signal type/category	Universal

### Material specifications

Flammability rating according to UL 94	V0
Seal material	FKM
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA

### Connector

# SACC-CIP-M8FSB-5P SMD SH R32 - Contact carrier



1412259

<https://www.phoenixcontact.com/us/products/1412259>

## Connection 1

Head design	Socket
Head cable outlet	straight
Head thread type	M8
Coding	B

## Cable/line

Signal type/category	Universal
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## Mechanical properties

### Mechanical data

Insertion/withdrawal cycles	> 100
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## Environmental and real-life conditions

### Ambient conditions

Degree of protection (when plugged in)	IP67 (correctly plugged in and locked)
Degree of protection	IP67
Ambient temperature (operation)	-25 °C ... 105 °C (Plug / socket)
	-40 °C ... 105 °C (without mechanical actuation)

## Standards and regulations

Standard designation	M8 connector
Standards/specifications	IEC 61076-2-104

## Mounting

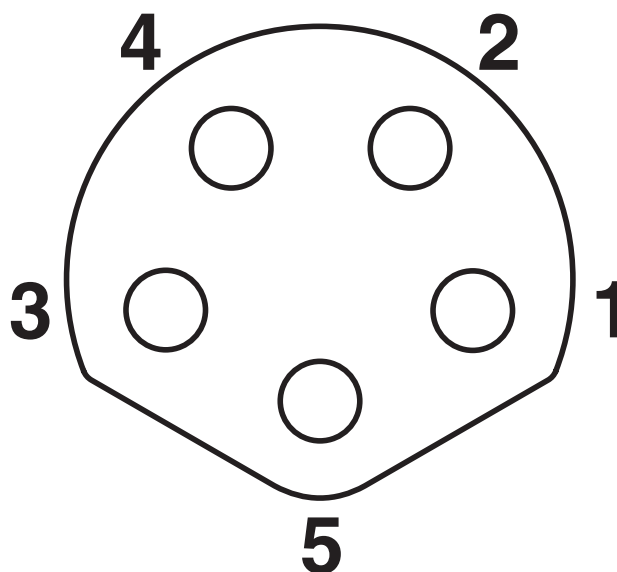
Mounting type	PCB mounting
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## Packaging specifications

Type of packaging	Belt
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## Drawings

Schematic diagram





Pin assignment of M8 socket, 5-pos., B-coded

1412259

<https://www.phoenixcontact.com/us/products/1412259>

Approvals

 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1412259>

<div> <b>cULus Recognized</b> Approval ID: E221474-20160506</div>				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
	30 V	3 A	-	-

# SACC-CIP-M8FSB-5P SMD SH R32 - Contact carrier



1412259

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## Classifications

### ECLASS

ECLASS-11.0	27440102
ECLASS-12.0	27440116
ECLASS-13.0	27440116

### ETIM

ETIM 9.0	EC002635
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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	7e8c9f6f-8199-4f29-b898-f731ec88d561

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## Accessories

### SACC-CIP-M8FSB-5P SMD SH-SP - Sample set

1418661

<https://www.phoenixcontact.com/us/products/1418661>



Sample set, Universal, 5-position, Socket, straight, M8, coding: B, PCB mounting, SMD, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239217

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### SACC-BP-F-M8/M12 SMD - Housing screw connection

1412506

<https://www.phoenixcontact.com/us/products/1412506>



Housing screw connection, Socket, M12, Rear mounting, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239003

# SACC-CIP-M8FSB-5P SMD SH R32 - Contact carrier

1412259

<https://www.phoenixcontact.com/us/products/1412259>



## SACC-FP-F-M8/M10 SMD - Housing screw connection

1412504

<https://www.phoenixcontact.com/us/products/1412504>

M8 female connector, front mounting SMD with M10 screw fastening



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## SACC-FP-F-M8/PRESS SMD - Housing screw connection

1412501

<https://www.phoenixcontact.com/us/products/1412501>

M8 socket, press-in mounting



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