

SACC-CI-M12MS-12P SMD R32 - Contact carrier



1411987

<https://www.phoenixcontact.com/in/products/1411987>

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Contact carrier, 12-position, Pin, straight, M12, coding: A, PCB mounting, SMD reflow, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1238950

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	1411987
Packing unit	100 pc
Minimum order quantity	100 pc
Sales key	ABQ
Product key	ABQBGN
GTIN	4046356992183
Weight per piece (including packing)	6.277 g
Weight per piece (excluding packing)	6.277 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	Signal
Number of positions	12
Seal present	no
Shielded	no
Coding	A
Thread type	M12

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	0.8 kV
Contact resistance	$\leq 3 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$
Nominal voltage U_N	30 V
Nominal current I_N	1.5 A

Connection data

Connection method	SMD reflow
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Material specifications

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

Connector

Connection 1

Head design	Pin
Head cable outlet	straight
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 (when plugged in)	IP67 (correctly plugged in and locked)
Degree of protection	IP67 (correctly plugged in and locked)
	IP67, when plugged in
Ambient temperature (operation)	-55 °C ... 105 °C (Plug / socket)
	-55 °C ... 105 °C (without mechanical actuation)
UL Type Rating	Type 4 (indoor use only)

Standards and regulations

M12

Standard designation	M12 connector
Standards/specifications	IEC 61076-2-101
Note	In line with

Mounting

Mounting type	PCB mounting
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Packaging specifications

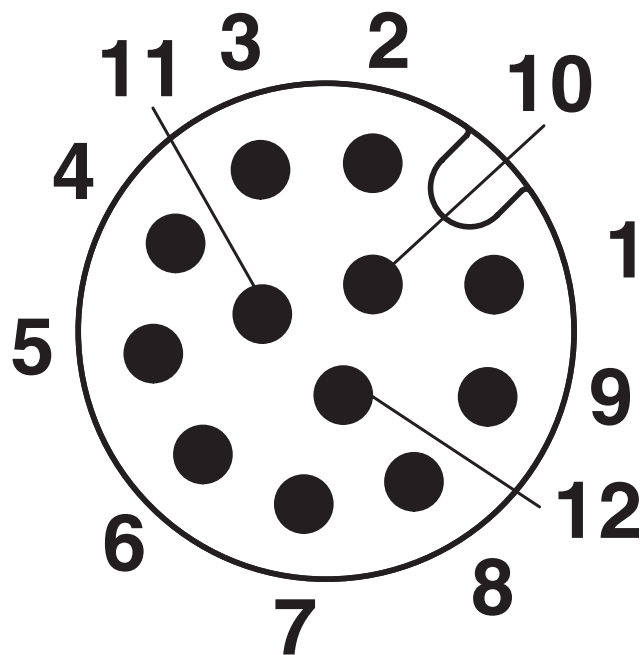
Type of packaging	Belt
Delivery state	with assembly pad

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Drawings

Schematic diagram



Pin assignment of M12 male connector, 12-pos., A-coded, view of pin side

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/in/products/1411987>

 cULus Recognized Approval ID: E221474-20160506				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	30 V	1.5 A	-	-

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Classifications

ECLASS

ECLASS-13.0	27440223
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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	1bae5ac2-0b88-4bcc-8fa9-309b341f1c4b

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Accessories

SACC-BP-M-M12/M15-6-SMD - Housing screw connection

1414000

<https://www.phoenixcontact.com/in/products/1414000>



Housing screw connection, Pin, M12, Rear mounting, SMD, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239053

SACC-BP-M-M12/M15-6-SMD SCO - Housing screw connection

1414002

<https://www.phoenixcontact.com/in/products/1414002>



Housing screw connection, Pin, M12-SPEEDCON, Rear mounting, M15 x 1, SMD, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239054

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SACC-FP-M-M12/M14 SMD - Housing screw connection

1412078

<https://www.phoenixcontact.com/in/products/1412078>



Housing screw connection, Pin, M12, Front mounting, M14 x 1, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1238970

SACC-FP-M-M12/PRESS SMD - Housing screw connection

1412080

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Housing screw connection, Pin, M12, Front mounting

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SACC-BP-M-M12-SMD PP - Housing screw connection

1107993

<https://www.phoenixcontact.com/in/products/1107993>



Housing screw connection, Pin, M12-Push-pull external locking, Rear mounting, SMD

SACC-FP-M-M12-SMD PP - Housing screw connection

1107999

<https://www.phoenixcontact.com/in/products/1107999>



Housing screw connection, Pin, M12-Push-pull external locking, Front mounting, SMD

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