SACC-CIP-M12MS-12P SMD SH R32 - Contact carrier

1412015

https://www.phoenixcontact.com/us/products/1412015

PHŒNIX CONTACT

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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.: 1238960

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	1412015
Packing unit	100 pc
Minimum order quantity	100 pc
Sales key	AB23
Product key	ABQBGB
GTIN	4046356992886
Weight per piece (including packing)	6.5 g
Weight per piece (excluding packing)	6.5 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.

Product properties

Product type	Contact insert
Application	Signal
Number of positions	12
Seal present	yes
Shielded	yes
Coding	A
Thread type	M12

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	0.8 kV
Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U_N	30 V
Nominal current I_N	1.5 A

Connection data

Connection method	SMD reflow

Material specifications

Flammability rating according to UL 94	V0
Seal material	FKM
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

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)	-40 °C ... 105 °C (Plug / socket)
	-55 °C ... 105 °C (without mechanical actuation)

Standards and regulations

M12

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

Mounting

Mounting type	PCB mounting

Packaging specifications

Type of packaging	Belt
Delivery state	with assembly pad

Drawings

Schematic diagram

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

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1412015

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

Classifications

ECLASS

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

ETIM

ETIM 9.0	EC002635

UNSPSC

UNSPSC 21.0	39121400

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	173bd837-5c4f-4c08-a613-a4aef78b2192

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Accessories

SACC-CIP-M12MS-12P SMD SH-SP - Sample set

1418650

https://www.phoenixcontact.com/us/products/1418650

Sample set, 12-position, Pin, straight, M12, coding: A, PCB mounting, SMD, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239213

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

1414000

https://www.phoenixcontact.com/us/products/1414000

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

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

1414002

https://www.phoenixcontact.com/us/products/1414002

Housing screw connection, Pin, M12-SPEEDCON, Rear mounting, M15 x 1, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0. 1 %) item no.: 1239054

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

1412078

https://www.phoenixcontact.com/us/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
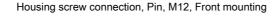
SACC-CIP-M12MS-12P SMD SH R32 - Contact carrier

1412015

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

1412080

https://www.phoenixcontact.com/us/products/1412080

Housing screw connection, Pin, M12, Front mounting

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

1107993

https://www.phoenixcontact.com/us/products/1107993

Housing screw connection, Pin, M12-Push-pull external locking, Rear mounting, SMD, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1308006

SACC-CIP-M12MS-12P SMD SH R32 - Contact carrier

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

1107999

https://www.phoenixcontact.com/us/products/1107999

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