SACC-CIP-M8MS-3P SMD R32 - Contact carrier

1412255

https://www.phoenixcontact.com/us/products/1412255

PHŒNIX CONTACT

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Contact carrier, 3-position, Pin, straight, M8, coding: A, PCB mounting, SMD reflow, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1308274

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	1412255
Packing unit	100 pc
Minimum order quantity	100 pc
Sales key	AB22
Product key	ABQHCN
GTIN	4046356988988
Weight per piece (including packing)	5.1 g
Weight per piece (excluding packing)	5.1 g
Customs tariff number	85366990
Country of origin	DE

Technical data

Notes

General	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	3
Seal present	yes
Shielded	no
Coding	A
Thread type	M8

Insulation characteristics

Overvoltage category	III

Electrical properties

Contact resistance	≤ 3 mΩ
Insulation resistance	≤ 100 MΩ
Nominal voltage U_N	48 V AC
	60 V DC
Nominal current I_N	4 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	M8
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

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

Mounting

Mounting type	PCB mounting

Packaging specifications

Type of packaging	Belt
Delivery state	with assembly pad

Drawings

Schematic diagram
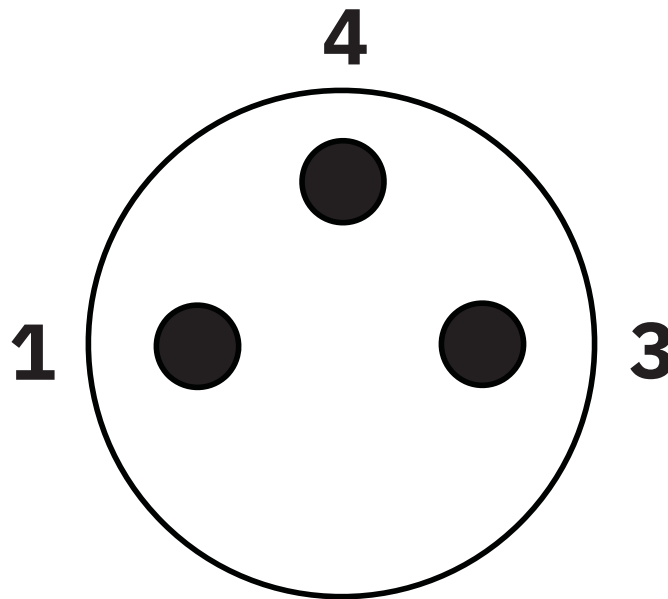
Pin assignment M8 plug, 3-pos., view male side

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1412255

cULus Recognized
Approval ID: E221474-20160506

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	60 V	4 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	8afdeaf8-6f3b-4eaf-9f02-7b28947572c2

Accessories

SACC-CIP-M8MS-3P SMD-SP - Sample set

1418665

https://www.phoenixcontact.com/us/products/1418665

Sample set, 3-position, Pin, straight, M8, coding: A, PCB mounting, SMD, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0. 1 %) item no.: 1239220

SACC-BP-M-M8/M12 SMD - Housing screw connection

1412505

https://www.phoenixcontact.com/us/products/1412505

Housing screw connection, Pin, Rear mounting, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239002

SACC-CIP-M8MS-3P SMD R32 - Contact carrier

1412255

https://www.phoenixcontact.com/us/products/1412255

SACC-FP-M-M8/M10 SMD - Housing screw connection

1412502

https://www.phoenixcontact.com/us/products/1412502

Housing screw connection, Pin, M8, Front mounting, M10 x 0.75

SACC-FP-M-M8/PRESS SMD - Housing screw connection

1412500

https://www.phoenixcontact.com/us/products/1412500

Housing screw connection, Pin, Front mounting, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239000