SACC-CIP-M8MS-4P SMD SH T - Contact carrier

1412241

https://www.phoenixcontact.com/us/products/1412241

PHŒNIX CONTACT

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Contact carrier, 4-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.: 1308266

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	1412241
Packing unit	60 pc
Minimum order quantity	60 pc
Sales key	AB22
Product key	ABQHCA
GTIN	4046356988834
Weight per piece (including packing)	3.58 g
Weight per piece (excluding packing)	3.45 g
Customs tariff number	85366990
Country of origin	DE

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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	4
Seal present	yes
Shielded	yes
Coding	A
Thread type	M8

Data management status

Article revision	01

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	Tray
Delivery state	with assembly pad

Drawings

Schematic diagram
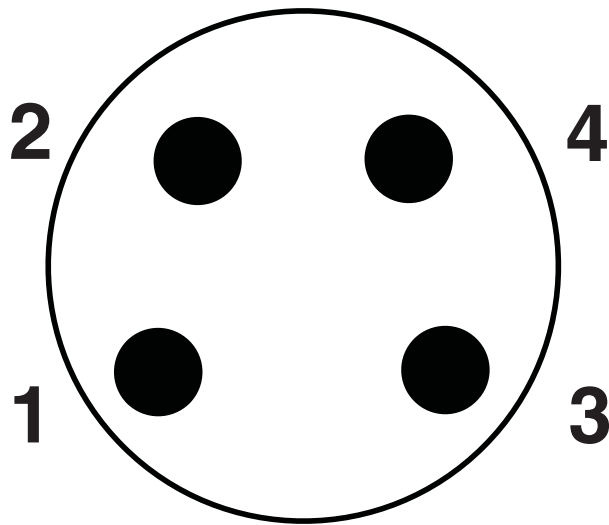
Pin assignment M8 plug, 4-pos., view male side

Approvals

💡 To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1412241

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	-	-

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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	f88d6ac3-a6d3-4e6d-9b0c-8e987b70fb2f