SACC-CIP-M8FS-3P SMD R32 - Contact carrier

1412250

https://www.phoenixcontact.com/us/products/1412250

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Contact carrier, 3-position, Socket, straight, M8, A-coding, SMD reflow, this item is expected to be lead-free from Q1 2027 in accordance with RoHS II without exception 6c (Pb < 0.1%), a lead-free alternative is possible on request in advance

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	1412250
Packing unit	120 pc
Minimum order quantity	100 pc
Sales key	AB22
Product key	ABQHCT
GTIN	4046356988919
Weight per piece (including packing)	4.877 g
Weight per piece (excluding packing)	1.951 g
Customs tariff number	85366990
Country of origin	DE

Downloaded from Arrow.com.

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	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

Material Insulating body	PA
Material Contact	CuZn
Material Contact surface	Au
Material Seal	FKM
Flammability rating according to UL 94	V0

Connector

Connection 1

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

Downloaded from Arrow.com.

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	> 100

Environmental and real-life conditions

Ambient conditions

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

Standards and regulations

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

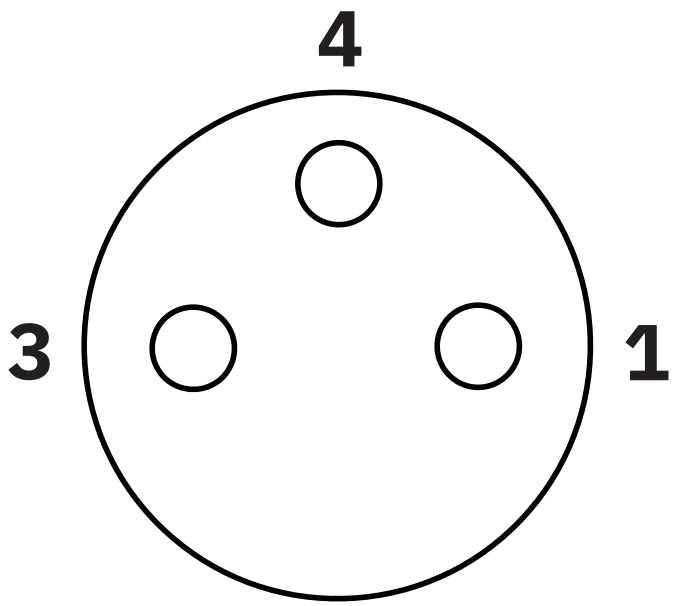
Packaging specifications

Type of packaging	Belt

Downloaded from Arrow.com.

Drawings

Schematic diagram



Pin assignment M8 socket, 3-pos., view female side

Downloaded from Arrow.com.

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1412250

cULus Recognized
Approval ID: E221474-20160506

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	60 V	4 A	-	-

Downloaded from Arrow.com.

Classifications

ECLASS

ECLASS-13.0	27440223
ECLASS-15.0	27440223

ETIM

ETIM 9.0	EC003557

UNSPSC

UNSPSC 21.0	39121400

Downloaded from Arrow.com.

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%

Phoenix Contact 2025 © - all rights reserved
https://www.phoenixcontact.com

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com

Downloaded from Arrow.com.