SACC-CI-M12FSX-8P SMD SH R32PD - Contact carrier

1081252

https://www.phoenixcontact.com/us/products/1081252

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Contact carrier, Ethernet, 8-position, Socket, straight, M12, coding: X, PCB mounting, SMD reflow, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

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

Commercial data

Item number	1081252
Packing unit	100 pc
Minimum order quantity	100 pc
Sales key	AB23
Product key	ABQBGH
GTIN	4055626808130
Weight per piece (including packing)	7.07 g
Weight per piece (excluding packing)	7.07 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	Data
Sensor type	Ethernet
Number of positions	8
Seal present	no
Shielded	yes
Coding	X
Thread type	M12

Data management status

Article revision	05

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	1.5 kV
Contact resistance	≤ 3 mΩ
Insulation resistance	> 100 MΩ
Nominal voltage U_N	50 V AC
	60 V DC
Nominal current I_N	0.5 A (Data)
Transmission characteristics (category)	$CAT6_A$

Connection data

Connection method	SMD reflow

Interfaces

Signal type/category	Ethernet

Material specifications

Material	Die-cast zinc, nickel-plated (Shield crossover)
Flammability rating according to UL 94	V0
Contact material	CuZn

Contact surface material	Au
Contact carrier material	PA

Connector

Connection 1

Head design	Socket
Head cable outlet	straight
Head thread type	M12
Coding	X

Cable/line

Signal type/category	Ethernet

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 (correctly plugged in and locked)
	IP67, when plugged in
Ambient temperature (operation)	-25 °C ... 105 °C (Plug / socket)
	-55 °C ... 105 °C (without mechanical actuation)

Standards and regulations

M12

Standard designation	M12 connector
Standards/specifications	IEC 61076-2-109
Note	In line with

Mounting

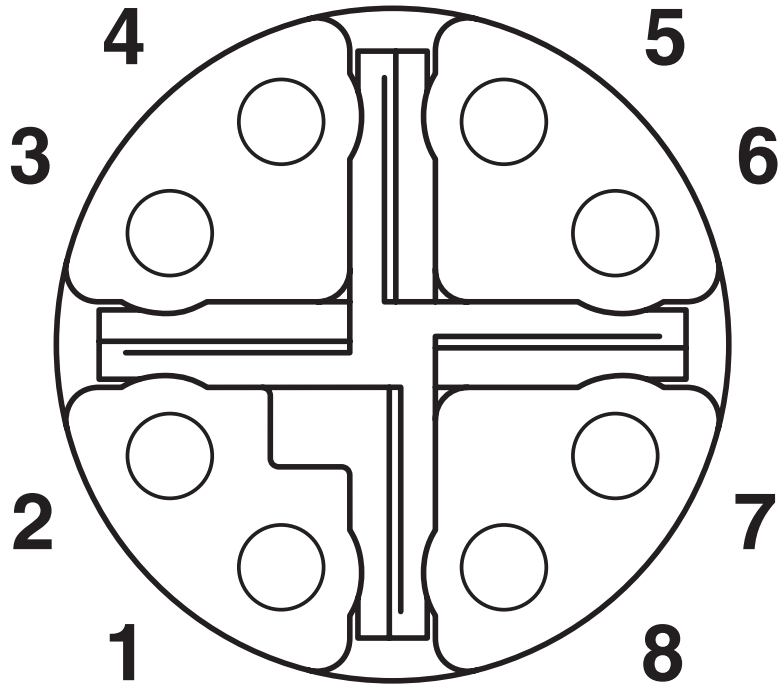
Mounting type	PCB mounting

Packaging specifications

Type of packaging	Belt

Drawings

Schematic diagram



Pin assignment M12 connector, 8-pos., view socket side

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1081252

cUL Recognized
Approval ID: E335024-20120308

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	60 V	0.5 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, 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%

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