

SACC-CI-M12FSX-8CON-L90 - Contact carrier



1424180

<https://www.phoenixcontact.com/us/products/1424180>

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Contact carrier, Ethernet CAT6_A (10 Gbps), 8-position, Socket, angled, M12, coding: X, PCB mounting, Wave soldering, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1237389

Your advantages

- Reduced mounting costs thanks to two-piece device connector
- 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	1424180
Packing unit	20 pc
Minimum order quantity	20 pc
Sales key	AB23
Product key	ABQAHS
Catalog page	Page 91 (C-2-2013)
GTIN	4046356692663
Weight per piece (including packing)	6.9 g
Weight per piece (excluding packing)	6.205 g
Customs tariff number	85366990
Country of origin	DE

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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.
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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

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	50 V AC (Data)
	60 V DC
Nominal current I_N	0.5 A (Data)
Transmission characteristics (category)	CAT6 _A

Connection data

Connection method	Wave soldering
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Interfaces

Signal type/category	Ethernet CAT6 _A , 10 Gbps
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Material specifications

Flammability rating according to UL 94	V0
Contact material	Copper alloy
Contact surface material	Gold
Contact carrier material	PA 6T/66

Connector

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Connection 1

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

Cable/line

Signal type/category	Ethernet CAT6 _A , 10 Gbps
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Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 100
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Environmental and real-life conditions

Ambient conditions

Degree of protection (when plugged in)	IP67 (When plugged in)
Degree of protection	IP67 (When plugged in)
	IP67, when plugged in
Ambient temperature (operation)	-40 °C ... 105 °C (Plug / socket)
	-40 °C ... 105 °C (without mechanical actuation)
	-25 °C ... 105 °C (Cable, flexible installation)
	-40 °C ... 105 °C (cable, fixed installation)

Standards and regulations

Standard designation	M12 connector
Standards/specifications	IEC 61076-2-109
Standard designation	Shock, vibration
Standards/specifications	EN 50155

Mounting

Mounting type	PCB mounting
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Processing notes

Process	Wave soldering
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