

# SACC-CI-M12FSY-8CON-L90 - Contact carrier



1424193

<https://www.phoenixcontact.com/us/products/1424193>

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Contact carrier CAT5 (IEC 11801:2002), 8-position, Socket, angled, M12, coding: Y, PCB mounting, Wave soldering, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239450

## 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	1424193
Packing unit	20 pc
Minimum order quantity	20 pc
Sales key	AB23
Product key	ABQAHS
Catalog page	Page 91 (C-2-2013)
GTIN	4046356692878
Weight per piece (including packing)	7.028 g
Weight per piece (excluding packing)	6.47 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
Number of positions	8
Application	Hybrid
Seal present	no
Shielded	yes
Coding	Y
Thread type	M12

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Electrical properties

Rated surge voltage	0.8 kV
Contact resistance	< 3 mΩ
Nominal voltage $U_N$	48 V AC (Power and data) 50 V DC (Power and data)
Nominal current $I_N$	0.5 A (Data) 6 A (Power)
Transmission medium	Copper
Transmission characteristics (category)	CAT5 (IEC 11801:2002)

### Connection data

Connection method	Wave soldering
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### Material specifications

Flammability rating according to UL 94	V0
Contact material	Copper alloy
Contact surface material	Gold
Contact carrier material	PPA

### Connector

#### Connection 1

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

## Mechanical properties

### Mechanical data

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

### Ambient conditions

Degree of protection	IP67 (When plugged in)
	IP67, when plugged in
Ambient temperature (operation)	-40 °C ... 85 °C (Plug / socket)
	-40 °C ... 85 °C (without mechanical actuation)
	-25 °C ... 85 °C (Cable, flexible installation)
	-40 °C ... 85 °C (cable, fixed installation)

## Mounting

Mounting type	PCB mounting
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## Classifications

### ECLASS

ECLASS-11.0	27440102
ECLASS-12.0	27440116
ECLASS-13.0	27460201

### ETIM

ETIM 9.0	EC002635
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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