SACC-CI-M12FSY-8CON-L180 TOR32 - Contact carrier

1413445

https://www.phoenixcontact.com/us/products/1413445

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, Ethernet CAT5 (IEC 11801:2002), 8-position, Socket, straight, M12, coding: Y, PCB mounting, THR solder connection, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239020

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	1413445
Packing unit	100 pc
Minimum order quantity	100 pc
Sales key	AB23
Product key	ABQAGT
GTIN	4046356999076
Weight per piece (including packing)	7.479 g
Weight per piece (excluding packing)	7.479 g
Customs tariff number	85366930
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	Hybrid
Sensor type	Ethernet
Number of positions	8
Seal present	no
Shielded	yes
Coding	Y
Thread type	M12

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Contact resistance	≤ 3 mΩ
Insulation resistance	100 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	THR solder connection

Interfaces

Signal type/category	Ethernet CAT5 (IEC 11801:2002)

Dimensions

Length of the solder pin	2.3 mm
	2.3 mm

Material specifications

Flammability rating according to UL 94	V0

SACC-CI-M12FSY-8CON-L180 TOR32 - Contact carrier

1413445

https://www.phoenixcontact.com/us/products/1413445

Contact material	CuZn
Contact surface material	Au
Contact carrier material	PPA

Connector

Connection 1

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

Cable/line

Signal type/category	Ethernet CAT5 (IEC 11801:2002)

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)	-40 °C ... 90 °C

Mounting

Mounting type	PCB mounting

Packaging specifications

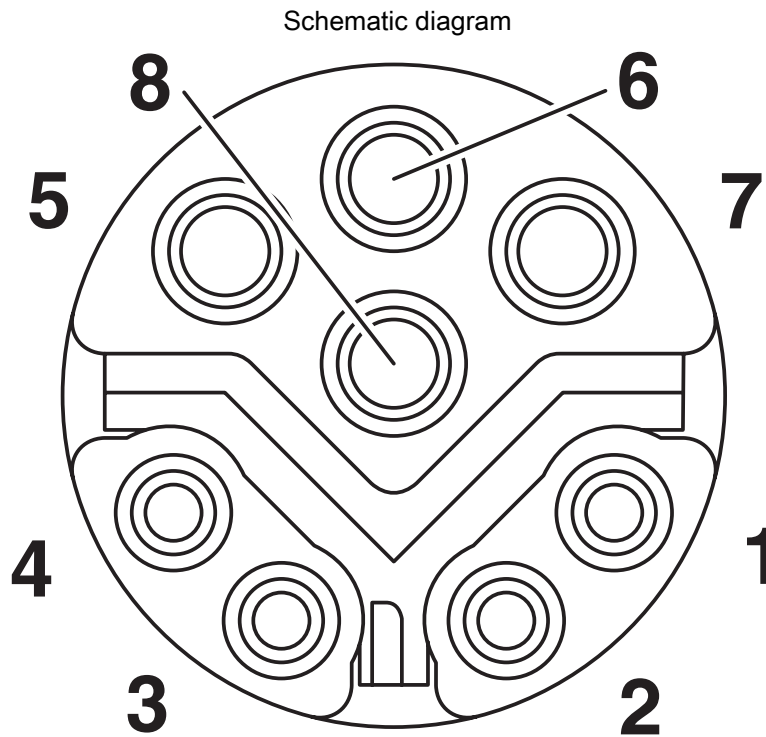| Type of packaging	Belt
Delivery state	with assembly pad

SACC-CI-M12FSY-8CON-L180 TOR32 - Contact carrier

Drawings

Schematic diagram

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

SACC-CI-M12FSY-8CON-L180 TOR32 - Contact carrier

1413445

https://www.phoenixcontact.com/us/products/1413445

Classifications

ECLASS

ECLASS-11.0	27440223
ECLASS-12.0	27440116
ECLASS-13.0	27440223

ETIM

ETIM 9.0	EC003557

UNSPSC

UNSPSC 21.0	39121400

SACC-CI-M12FSY-8CON-L180 TOR32 - Contact carrier

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	bada1269-e3d9-40c4-a3ba-51cd9efe555b