

# 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.



M12 female contact carrier,  
straight

Contact carrier, Ethernet CAT5 (IEC 11801:2002), 8-position, Socket, straight, M12, Y-coding, THR solder connection, this item is expected to be lead-free from Q2 2026 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

## 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)	3.421 g
Customs tariff number	85366930
Country of origin	DE

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



1413445

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

## 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, signals
Sensor type	Ethernet
Number of positions	8
No. of power contacts	4
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

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



1413445

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

Material Contact carrier	PPA
Material Contact	CuZn
Material Contact surface	Au
Flammability rating according to UL 94	V0

## 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	IP67 (correctly plugged in and locked)
Ambient temperature (operation) (male connector/female connector)	-40 °C ... 90 °C
UL Type Rating	Type 4 (indoor use only)

## Packaging specifications

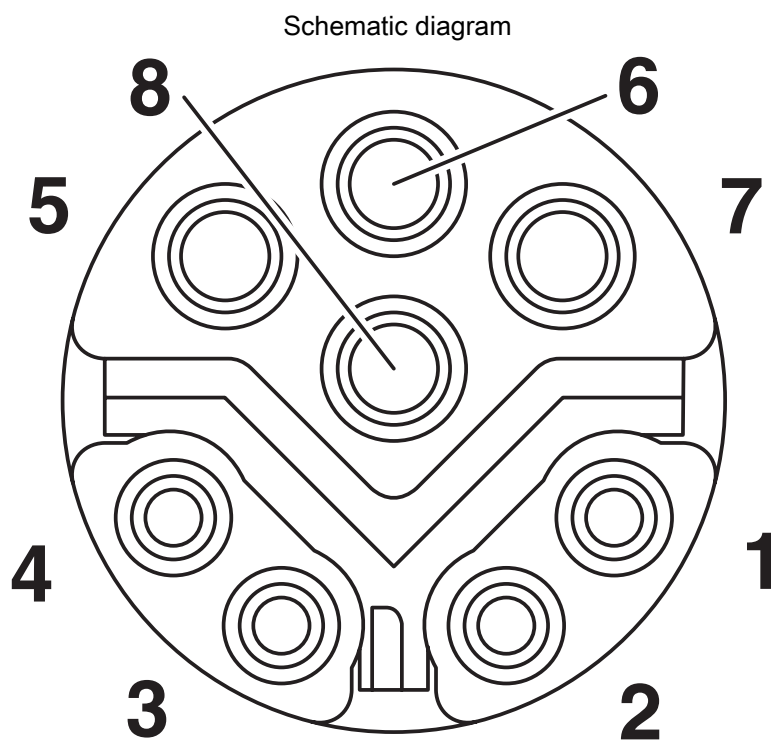
Type of packaging	Belt
Delivery state	with assembly pad

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

1413445

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

## Drawings



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-13.0	27440223
ECLASS-15.0	27440223

### ETIM

ETIM 10.0	EC003557
-----------	----------

### UNSPSC

UNSPSC 21.0	39121400
-------------	----------

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



1413445

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

## 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

Phoenix Contact 2026 © - 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](mailto:info@phoenixcon.com)