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Contact carrier, Ethernet, 8-position, Socket, straight, M12, X-coding, 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	1411964
Packing unit	60 pc
Minimum order quantity	60 pc
Sales key	AB23
Product key	ABQBGG
GTIN	4046356991612
Weight per piece (including packing)	4.786 g
Weight per piece (excluding packing)	4.011 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.
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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	1.5 kV
Contact resistance	$\leq 3 \text{ m}\Omega$
Insulation resistance	$> 100 \text{ M}\Omega$
Nominal voltage $U_N$	50 V AC
	60 V DC
Nominal current $I_N$	0.5 A (Data)
Transmission characteristics (category)	CAT6 <sub>A</sub>

### Connection data

Connection method	SMD reflow
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### Interfaces

Signal type/category	Ethernet
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### Material specifications

Material Contact carrier	PA
Material Contact	CuZn
Material Contact surface	Au
Material Shield crossover	GD-Zn/Ni
Flammability rating according to UL 94	V0

# SACC-CI-M12FSX-8P SMD SH T - Contact carrier



1411964

<https://www.phoenixcontact.com/us/products/1411964>

## Connector

### Connection 1

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

## Cable/line

Signal type/category	Ethernet
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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	IP67 (correctly plugged in and locked)
Ambient temperature (operation) (male connector/female connector)	-25 °C ... 105 °C (Plug / socket)
	-55 °C ... 105 °C (without mechanical actuation)
UL Type Rating	Type 4 (indoor use only)

## Standards and regulations

Standard designation	M12 circular connector
Standards/specifications	according to IEC 61076-2-109

## Packaging specifications

Type of packaging	Tray
Delivery state	with assembly pad

# SACC-CI-M12FSX-8P SMD SH T - Contact carrier

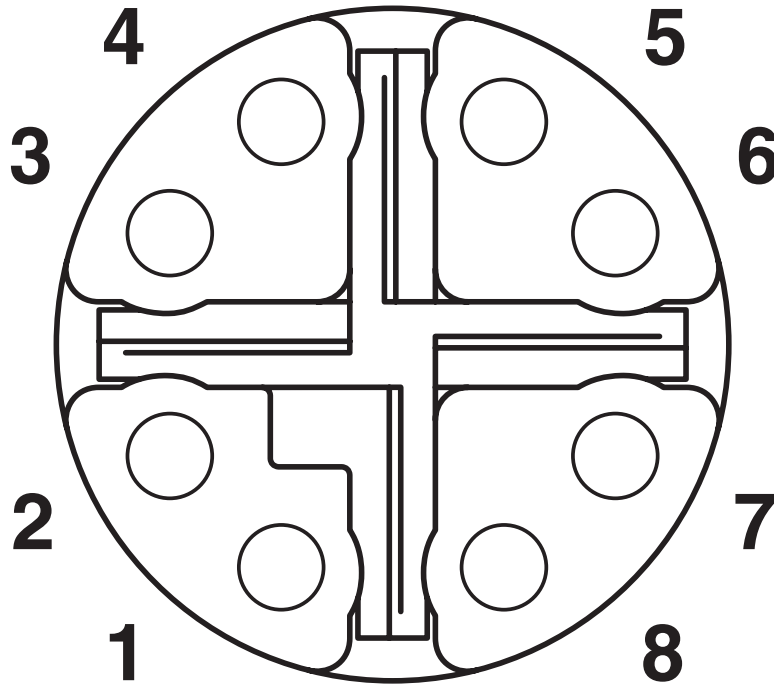


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## Drawings

Schematic diagram



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

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1411964>

 <b>cUL Recognized</b> Approval ID: E335024-20120308				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
keine				
	60 V	0.5 A	-	-

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## Classifications

### ECLASS

ECLASS-13.0	27440223
ECLASS-15.0	27440223

### ETIM

ETIM 9.0	EC003557
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### UNSPSC

UNSPSC 21.0	39121400
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## 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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