

# SACC-CI-M12FSY-8P SMD SH R32 - Contact carrier



1069566

<https://www.phoenixcontact.com/us/products/1069566>

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M12 female contact carrier,  
straight

Contact carrier, Universal CAT5 (IEC 11801:2002), 8-position, Socket, straight, M12, Y-coding, SMD reflow, this item is expected to be lead-free from Q1 2027 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	1069566
Packing unit	100 pc
Minimum order quantity	100 pc
Sales key	AB23
Product key	ABQBGH
GTIN	4055626746807
Weight per piece (including packing)	6.79 g
Weight per piece (excluding packing)	3.988 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, signals
Sensor type	Universal
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

Rated surge voltage	0.8 kV
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	SMD reflow
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### Interfaces

Signal type/category	Universal CAT5 (IEC 11801:2002)
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### Material specifications

Material Contact carrier	PA
Material Contact	CuZn
Material Contact surface	Au

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Material Shield crossover	GD-Zn/Ni
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	Universal CAT5 (IEC 11801:2002)
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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
	-55 °C ... 105 °C (without mechanical actuation)
UL Type Rating	Type 4 (indoor use only)

## Packaging specifications

Type of packaging	Belt
Delivery state	with assembly pad

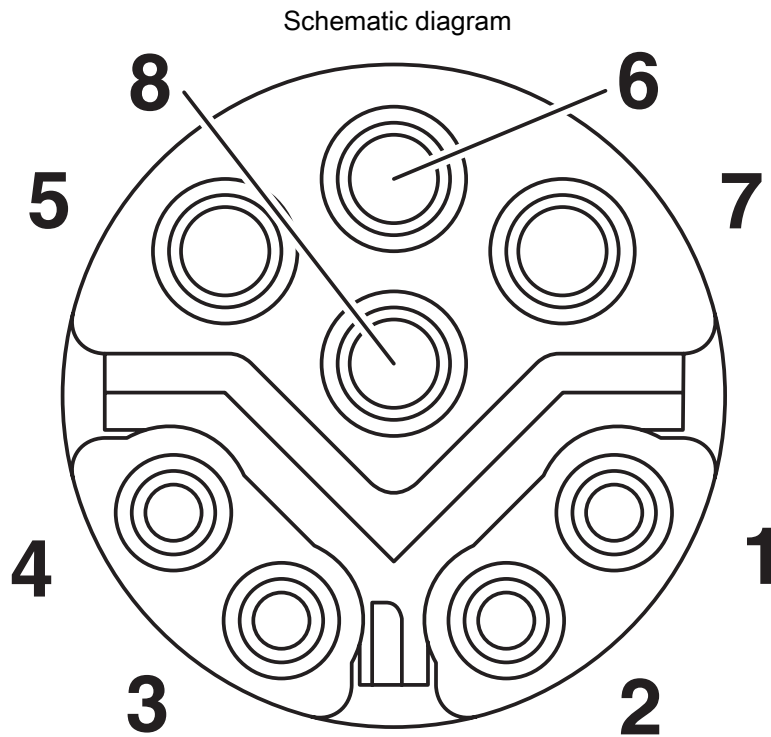
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## Drawings



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

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## Approvals

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 <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				
Power	56 V	0.175 A	-	-
Data	30 V	0.5 A	-	-

 <b>UL Recognized</b> Approval ID: E335024-20120308				
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## Classifications

### ECLASS

ECLASS-13.0	27440223
ECLASS-15.0	27440223

### ETIM

ETIM 10.0	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
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### 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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