

SACC-CI-M12FS-8CON-L180-10G - Contact carrier



1402457

<https://www.phoenixcontact.com/us/products/1402457>

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Contact carrier, Ethernet CAT6_A, 8-position, Socket, straight, M12, coding: X, PCB mounting, THR solder connection, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1238675

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
- Compatible with connectors with screw or push-in connection

Commercial data

| | |
|--------------------------------------|--------------------|
| Item number | 1402457 |
| Packing unit | 20 pc |
| Minimum order quantity | 20 pc |
| Sales key | AB23 |
| Product key | ABQAGS |
| Catalog page | Page 90 (C-2-2013) |
| GTIN | 4046356615907 |
| Weight per piece (including packing) | 4.657 g |
| Weight per piece (excluding packing) | 3.9 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

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. |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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 | $\leq 5 \text{ m}\Omega$ |
| Insulation resistance | $> 100 \text{ M}\Omega$ |
| Nominal voltage U_N | 50 V AC |
| | 60 V DC |
| Nominal current I_N | 0.5 A |
| Transmission characteristics (category) | CAT6 _A |

Connection data

| | |
|-------------------|-----------------------|
| Connection method | THR solder connection |
|-------------------|-----------------------|

Interfaces

| | |
|----------------------|----------------------------|
| Signal type/category | Ethernet CAT6 _A |
|----------------------|----------------------------|

Material specifications

| | |
|----------------------------------------|-------------------------------|
| Material | Zinc die-cast (nickel-plated) |
| Flammability rating according to UL 94 | V0 |
| Contact material | Copper alloy |
| Contact surface material | Gold |
| Contact carrier material | PPA |

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Connector

Connection 1

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

Cable/line

| | |
|----------------------|----------------------------|
| Signal type/category | Ethernet CAT6 _A |
|----------------------|----------------------------|

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 |

Standards and regulations

M12

| | |
|--------------------------|-----------------|
| Standard designation | M12 connector |
| Standards/specifications | IEC 61076-2-109 |

Mounting

| | |
|---------------|--------------|
| Mounting type | PCB mounting |
|---------------|--------------|

Packaging specifications

| | |
|-------------------|---------|
| Type of packaging | Blister |
|-------------------|---------|

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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com