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

1402457

https://www.phoenixcontact.com/gb/products/1402457

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 CAT6$_A$, 8-position, Socket, straight, M12, X-coding, THR solder connection, 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
- 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	ABQAGS
Product key	ABQAGS
GTIN	4046356615907
Weight per piece (including packing)	4.7 g
Weight per piece (excluding packing)	3.049 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.

Product properties

Product type	Contact insert
Application	Data
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	≤ 5 mΩ
Insulation resistance	> 100 MΩ
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 Contact carrier	PPA
Material Contact	Copper alloy
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	X

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 ... 95 °C

Standards and regulations

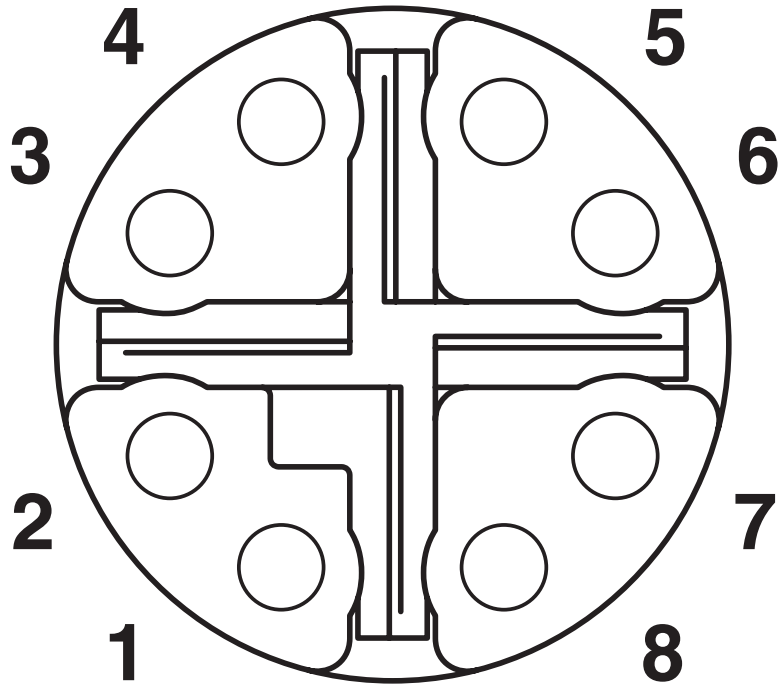
Standard designation	M12 circular connector
Standards/specifications	according to IEC 61076-2-109

Packaging specifications

Type of packaging	Blister

Drawings

Schematic diagram



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

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/gb/products/1402457

cUL Recognized
Approval ID: E335024-20120308

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	60 V	0.5 A	-	-

UL Recognized
Approval ID: E335024-20120308

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	60 V	0.5 A	-	-

cULus Recognized
Approval ID: E221474-20140616

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	30 V	2 A	-	-

Classifications

ECLASS

ECLASS-13.0	27440223
ECLASS-15.0	27440223

ETIM

ETIM 10.0	EC003557

UNSPSC

UNSPSC 21.0	39121400

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%

EF3.1 Climate Change

CO2e kg	0.237 kg CO2e

Phoenix Contact 2026 © - all rights reserved
https://www.phoenixcontact.com

PHOENIX CONTACT Ltd
Halesfield 13, Telford
Shropshire, TF7 4PG
01952 681700
info@phoenixcontact.co.uk