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

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

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

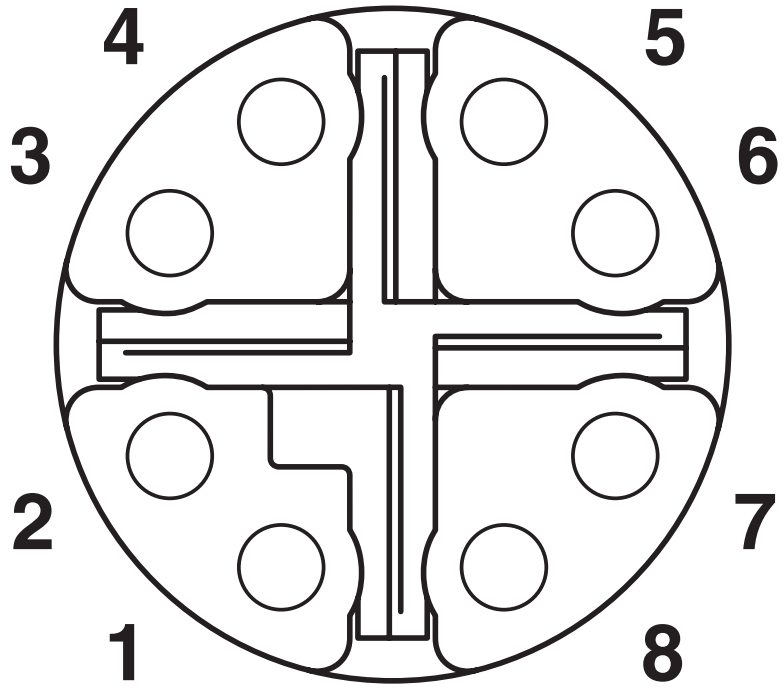
Mounting type	PCB mounting

Packaging specifications

Type of packaging	Blister

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/us/products/1402457

cUL Recognized
Approval ID: E335024-20120308

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

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cULus Recognized

Classifications

ECLASS

ECLASS-11.0	27440223
ECLASS-12.0	27440116
ECLASS-13.0	27440223

ETIM

ETIM 9.0	EC003557

UNSPSC

UNSPSC 21.0	39121400

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	ebece220-b57c-4dcb-8b4a-6148d527e8ef

Accessories

SACC-CIM12FSX8CONL180THRSAMPLE - Sample set

1422992

https://www.phoenixcontact.com/us/products/1422992



Cat6$_A$ flush-type socket, Ethernet, 8-pos., rear mounting, with straight solder connection

SACC-M12-SCO NUT - Housing screw connection

1552243

https://www.phoenixcontact.com/us/products/1552243



Housing screw connection, Socket, M12-SPEEDCON, Front mounting, M12 x 1, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0. 1 %) item no.: 1237399

SACC-DSIV-M12-NUT - Housing screw connection

1416144

https://www.phoenixcontact.com/us/products/1416144



Housing screw connection, Pin, M12, Front mounting, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239107

SACC-M12-SCO NUT L 90 - Housing screw connection

1432460

https://www.phoenixcontact.com/us/products/1432460



Housing screw connection, M12-SPEEDCON, Front mounting, M12 x 1, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0. 1 %) item no.: 1237409

SACC-BP-F-M12/M15-6-THR - Housing screw connection

1414004

https://www.phoenixcontact.com/us/products/1414004



Housing screw connection, Socket, M12, Rear mounting, M15 x 1, THR solder connection, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239056

SACC-BP-F-M12/M15-7-THR - Housing screw connection

1414003

https://www.phoenixcontact.com/us/products/1414003



Housing screw connection, Socket, M12, Rear mounting, M15 x 1, THR solder connection, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239055

SACC-BP-F-M12/M15-6-THR SCO - Housing screw connection

1414020

https://www.phoenixcontact.com/us/products/1414020



Housing screw connection, Socket, M12-SPEEDCON, Rear mounting, M15 x 1, THR solder connection, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239057

SACC-BP-F-M12/M15-7-THR SCO - Housing screw connection

1414005

https://www.phoenixcontact.com/us/products/1414005



Housing screw connection, Socket, M12-SPEEDCON, Rear mounting, M15 x 1, THR solder connection, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1237398

SACC-BP-F-M12/THR-1,0/1,8-9TIP - Housing screw connection

1419630

https://www.phoenixcontact.com/us/products/1419630



M12 threaded sleeve with tolerance-compensating function, for straight, THR solderable M12 socket contact inserts. Suitable for 1.0 mm ... 1.8 mm thick front plates.

SACC-BP-F-M12/THR-1,7/2,5-9TIP - Housing screw connection

1419631

https://www.phoenixcontact.com/us/products/1419631



M12 threaded sleeve with tolerance-compensating function, for straight, THR solderable M12 socket contact inserts. Suitable for 1.7 mm ... 2.5 mm thick front plates.

SACC-BP-F-M12/THR-2,4/3,2-9TIP - Housing screw connection

1419633

https://www.phoenixcontact.com/us/products/1419633



M12 threaded sleeve with tolerance-compensating function, for straight, THR solderable M12 socket contact inserts. Suitable for 2.4 mm ... 3.2 mm thick front plates.

SACC-BP-F-M12/THR-3,1/3,9-9TIP - Housing screw connection

1419634

https://www.phoenixcontact.com/us/products/1419634



M12 threaded sleeve with tolerance-compensating function, for straight, THR solderable M12 socket contact inserts. Suitable for 3.1 mm ... 3.9 mm thick front plates.

SACC-M12 NUT PRESS - Housing screw connection

1437889

https://www.phoenixcontact.com/us/products/1437889



Housing screw connection, Socket, M12, Front mounting, THR solder connection, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1237410

SACC-DSIV-M12-NUT-9 THR - Housing screw connection

1417989

https://www.phoenixcontact.com/us/products/1417989



Housing screw connection, Front mounting, THR solder connection, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239181

SACC-BP-F-M12-THR PP - Housing screw connection

1027662

https://www.phoenixcontact.com/us/products/1027662



Housing screw connection, Socket, M12-Push-pull external locking, Rear mounting, M16, THR- und Wellenlötkontakte, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

SACC-FP-F-M12-THR PP - Housing screw connection

1027678

https://www.phoenixcontact.com/us/products/1027678



Housing screw connection, Socket, M12-Push-pull external locking, Front mounting, M14 x 1, THR- und Wellenlötkontakte, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

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