Flush-type female connector - SACC-CI-M12FS-8CON-L180-10G

PHŒNIX CONTACT

1402457

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

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

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	ABQCBF
Product Key	ABQCBF
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
Number of positions	8
Shielded	yes
Coding	X - data

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

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

Insertion/withdrawal cycles	> 100

Connection 1	
Head design	Socket
Head cable outlet	straight
Head thread type	M12

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Coding	X - data

Cable / line

Signal type/category	Ethernet CAT6$_A$

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)
Degree of protection	IP67, when plugged in
Ambient temperature (operation)	-40 °C ... 90 °C

Standards and regulations

M12

Standards/specifications	IEC 61076-2-109

Mounting

Mounting type	PCB mounting

Packaging specifications

Type of packaging	Blister

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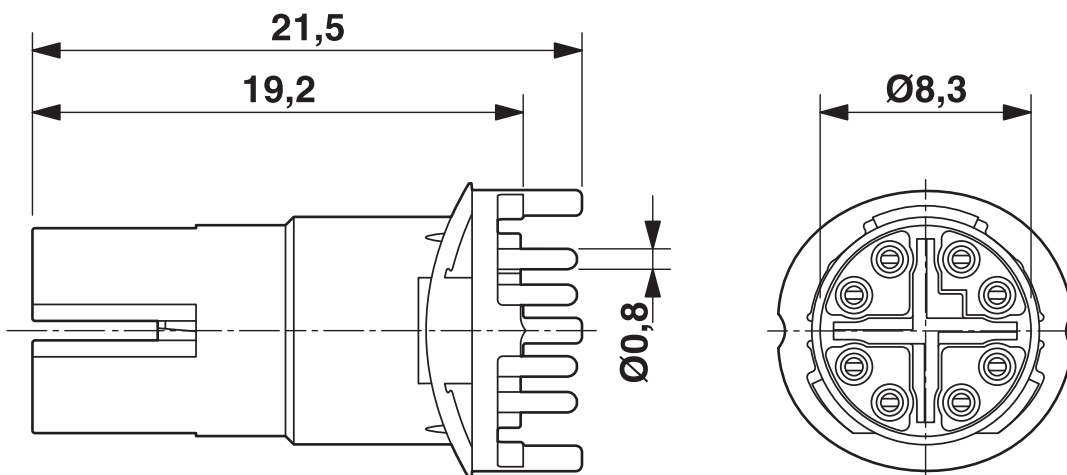https://www.phoenixcontact.com/gb/products/1402457

Drawings

Drilling plan/solder pad geometry
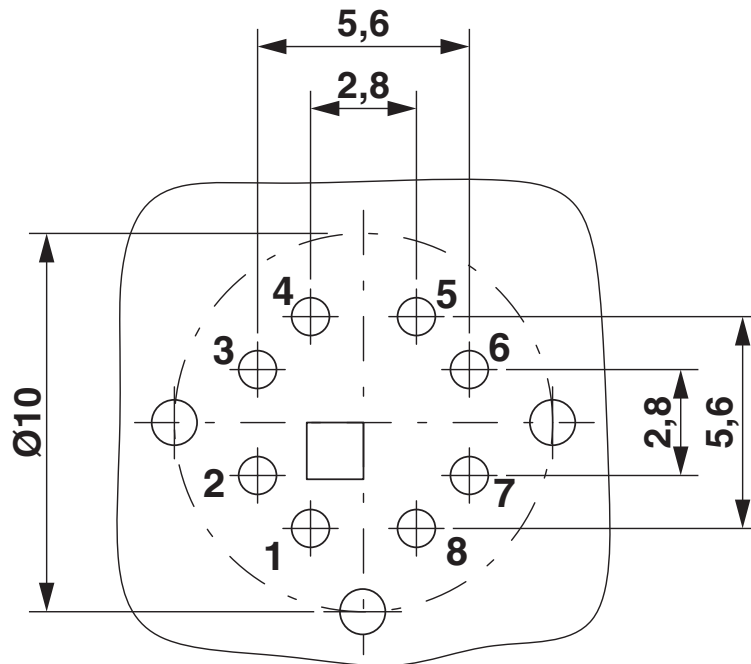
Soldering pad geometry

Dimensional drawing

M12 female connector contact carrier

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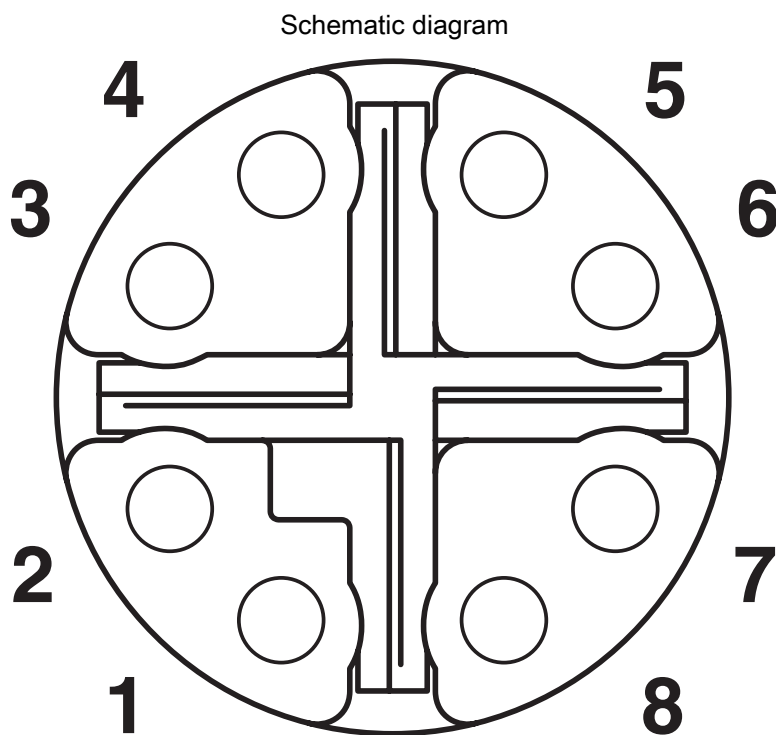
Pin assignment M12 connector, 8-pos., view socket side

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Approvals

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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	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
	60 V	0.5 A	-	-

EAC
Approval ID: B.01687

cULus Recognized

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Classifications

ECLASS

ECLASS-9.0	27440102
ECLASS-10.0.1	27440102
ECLASS-11.0	27440102

ETIM

ETIM 8.0	EC002635

UNSPSC

UNSPSC 21.0	39121400

Environmental Product Compliance

REACh SVHC	Lead 7439-92-1

China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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Accessories

Sample set

Sample set - SACC-CIM12FSX8CONL180THRSAMPLE - 1422992

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

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

Housing screw connection

Housing screw connection - SACC-M12-SCO NUT - 1552243

https://www.phoenixcontact.com/gb/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%) 1237399

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Device connector front mounting

Device connector front mounting - SACC-DSIV-M12-NUT - 1416144

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

Housing screw connection with M12 standard thread, with O-ring, for the two-piece straight M12 THR contact carrier and for the two-piece angled M12 contact carrier

Housing screw connection

Housing screw connection - SACC-M12-SCO NUT L 90 - 1432460

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

Housing screw connection, M12 x 1, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) 1237409

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Housing screw connection

Housing screw connection - SACC-BP-F-M12/M15-6-THR - 1414004

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

Housing screw connection, Socket, M12, Rear mounting, M15 x 1, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) 1239056

Housing screw connection

Housing screw connection - SACC-BP-F-M12/M15-7-THR - 1414003

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

Housing screw connection, Socket, M12, Rear mounting, M15 x 1, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) 1239055

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Housing screw connection

Housing screw connection - SACC-BP-F-M12/M15-6-THR SCO - 1414020

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

Housing screw connection, Socket, M12-SPEEDCON, Rear mounting, M15 x 1, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) 1239057

Housing screw connection

Housing screw connection - SACC-BP-F-M12/M15-7-THR SCO - 1414005

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

Housing screw connection, Socket, M12-SPEEDCON, Rear mounting, M15 x 1, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) 1237398

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Housing screw connection

Housing screw connection - SACC-BP-F-M12/THR-1,0/1,8-9TIP - 1419630

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

Housing screw connection

Housing screw connection - SACC-BP-F-M12/THR-1,7/2,5-9TIP - 1419631

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

Flush-type female connector - SACC-CI-M12FS-8CON-L180-10G

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Housing screw connection

Housing screw connection - SACC-BP-F-M12/THR-2,4/3,2-9TIP - 1419633

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

Housing screw connection

Housing screw connection - SACC-BP-F-M12/THR-3,1/3,9-9TIP - 1419634

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

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Housing screw connection

Housing screw connection - SACC-M12 NUT PRESS - 1437889

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

Housing screw connection, Socket, M12, M12 x 1, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) 1237410

Device connector front mounting

Device connector front mounting - SACC-DSIV-M12-NUT-9 THR - 1417989

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

M12 female connector, front mounting THR with M14 screw fastening

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Housing screw connection

Housing screw connection - SACC-BP-F-M12-THR PP - 1027662

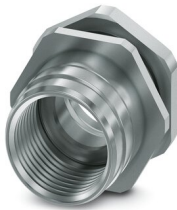https://www.phoenixcontact.com/gb/products/1027662

Housing screw connection, Socket, M12-Push-Pull, Rear mounting, M16, THR- und Wellenlötkontakte

Housing screw connection

Housing screw connection - SACC-FP-F-M12-THR PP - 1027678

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

Housing screw connection, Socket, M12-Push-Pull, Front mounting, M14 x 1, THR- und Wellenlötkontakte