Flush-type connector - SACC-CI-M12FSY-8P SMD SHT

1411965

https://www.phoenixcontact.com/us/products/1411965

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.

Hybrid flush-type female connector, Ethernet, 8-pos., M12 SPEEDCON, with straight solder connection. tray packaging

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

Flush-type connector - SACC-CI-M12FSY-8P SMD SHT

1411965

https://www.phoenixcontact.com/us/products/1411965

Commercial Data

Item number	1411965
Packing unit	1 pc
Minimum order quantity	60 pc
Sales Key	A11
Product Key	ABQCBK
GTIN	4046356991629
Weight per Piece (including packing)	4.596 g
Weight per Piece (excluding packing)	4.596 g
Customs tariff number	85366990
Country of origin	DE

Flush-type connector - SACC-CI-M12FSY-8P SMD SHT

1411965

https://www.phoenixcontact.com/us/products/1411965

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	Y - hybrid

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

Interfaces

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

Material specifications

Material	Zinc die-cast, nickel-plated (Shield crossover)
Flammability rating according to UL 94	V0
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA

Connector

Insertion/withdrawal cycles	> 100

Header 1

Head design	Socket
Head cable outlet	straight

Flush-type connector - SACC-CI-M12FSY-8P SMD SHT

PHŒNIX CONTACT

1411965

https://www.phoenixcontact.com/us/products/1411965

Head thread type	M12
Coding	Y - hybrid

Cable / line

Cable structure

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

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)	-25 °C ... 105 °C (Plug / socket)
	-55 °C ... 105 °C (without mechanical actuation)

Mounting

Mounting type	PCB mounting

Packaging specifications

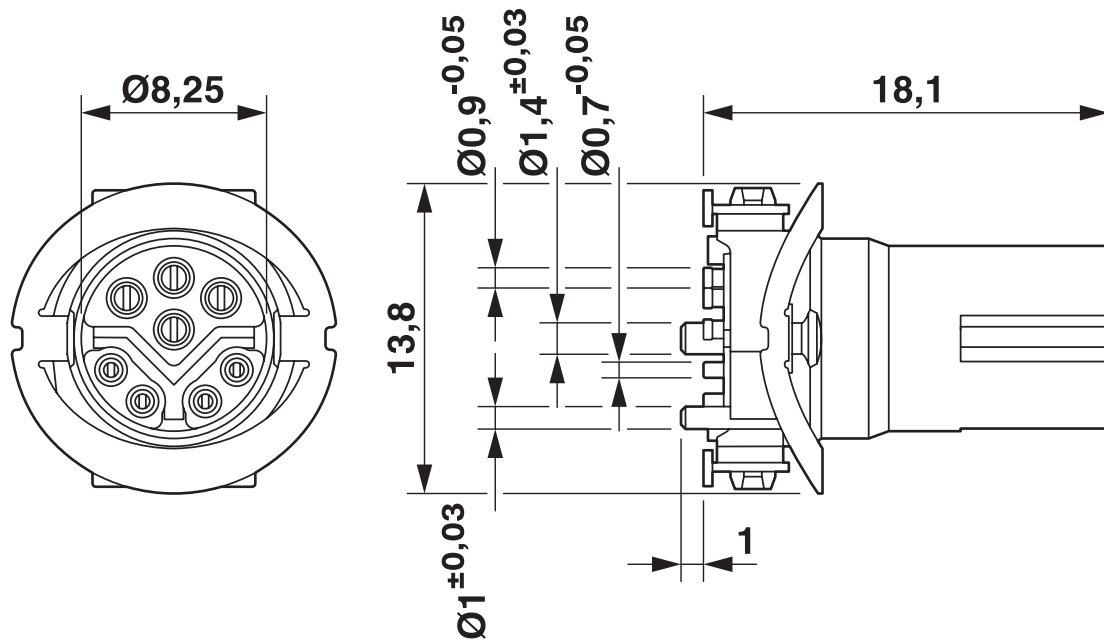| Type of packaging	Tray
Delivery state	with assembly pad

Drawings

Dimensional drawing

M12 female connector contact carrier

Flush-type connector - SACC-CI-M12FSY-8P SMD SHT

1411965

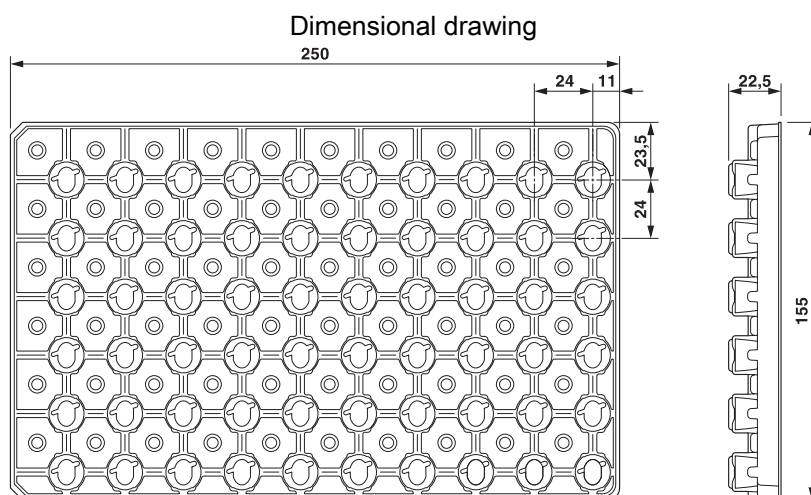https://www.phoenixcontact.com/us/products/1411965

Drilling plan/solder pad geometry
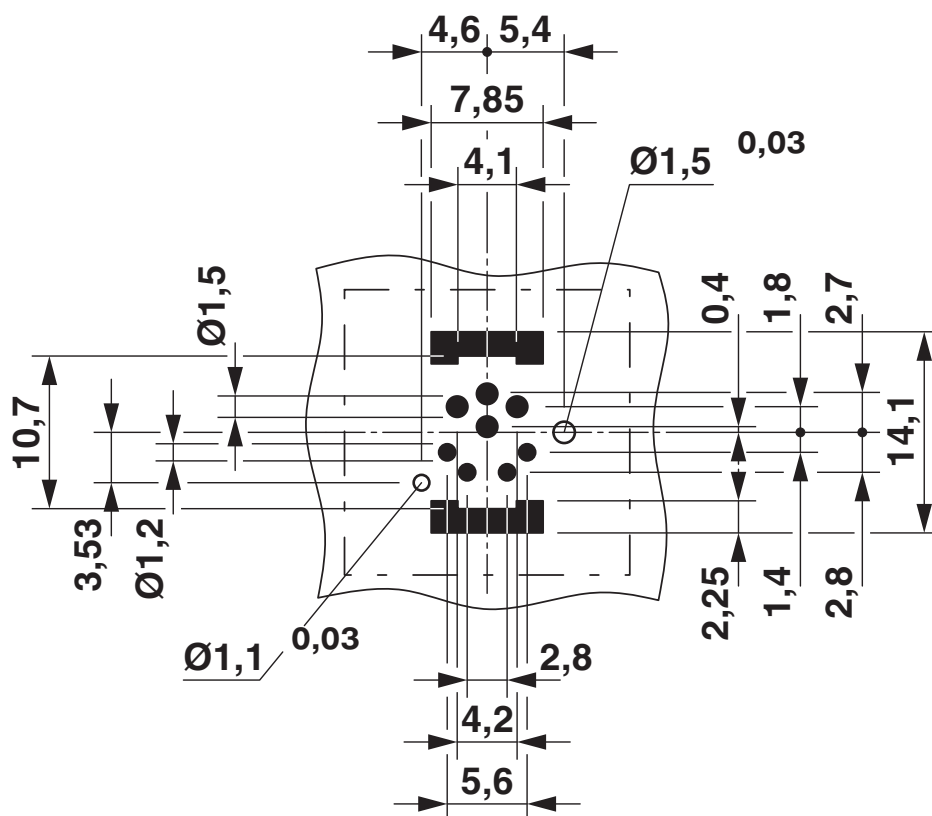
Soldering pad geometry

Dimensional drawing

SMD tray packaging

PHŒNIX CONTACT

Dimensional drawing

7,25

13,2

13,8

5,4$^{+0,05}$

52,5°
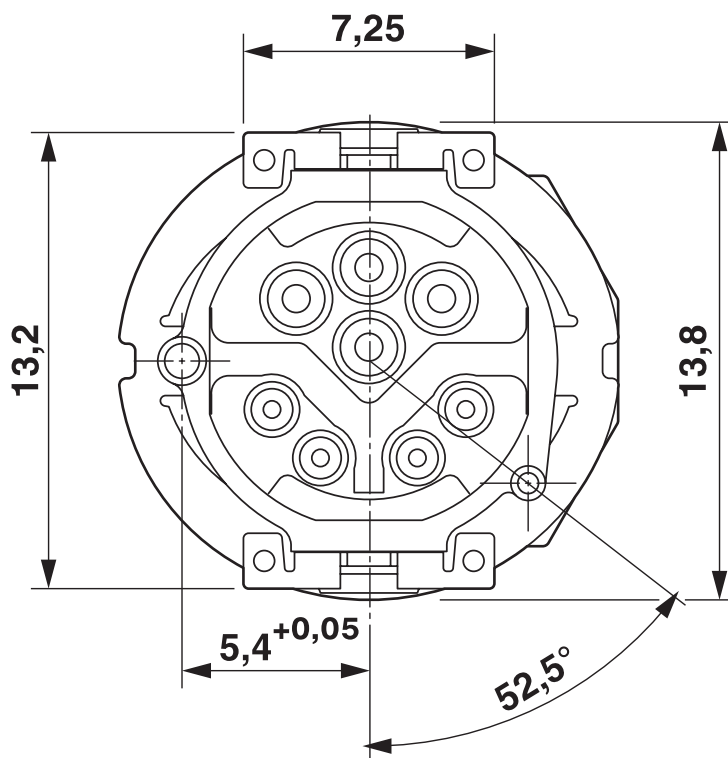
View of solder side

Schematic diagram

8   6

5   7

4   1

3   2
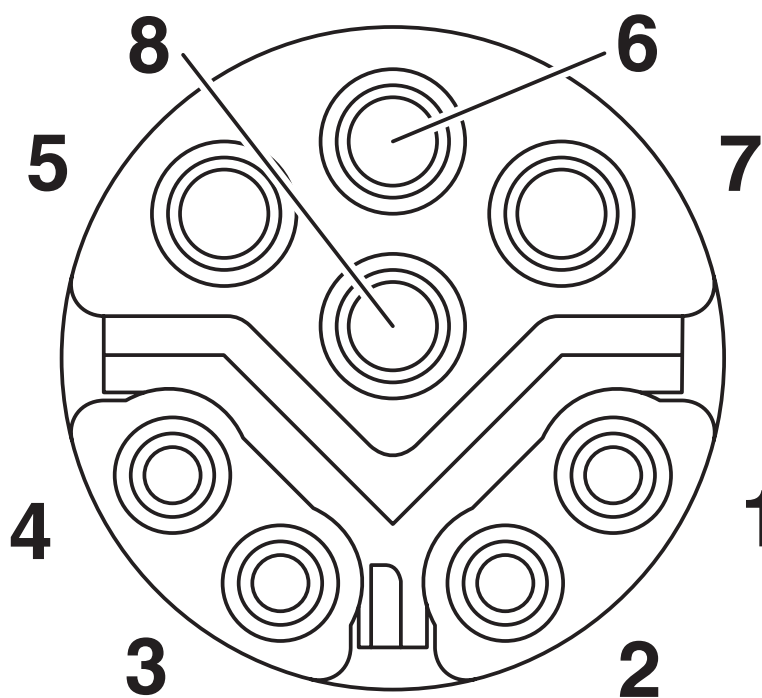
Pin assignment M12 connector, 8-pos., view socket side

1411965

https://www.phoenixcontact.com/us/products/1411965

Approvals

cUL Recognized
Approval ID: E335024-20120308

UL Recognized
Approval ID: E335024-20120308

EAC
Approval ID: B.01687

cULus Recognized

Classifications

ECLASS

ECLASS-9.0	27440102
ECLASS-10.0.1	27440102
ECLASS-11.0	27440110

ETIM

ETIM 8.0	EC003568

UNSPSC

UNSPSC 21.0	39121400

1411965

https://www.phoenixcontact.com/us/products/1411965

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"

Flush-type connector - SACC-CI-M12FSY-8P SMD SHT

1411965

https://www.phoenixcontact.com/us/products/1411965

Accessories

Sample set

Sample set - SACC-CI-M12FSY-8P SMD SH-SP - 1418638

https://www.phoenixcontact.com/us/products/1418638

Sample set, Universal, 8-position, Socket, straight, M12, Y - hybrid, PCB mounting, SMD

Housing screw connection

Housing screw connection - SACC-BP-F-M12/M15-6-SMD - 1414021

https://www.phoenixcontact.com/us/products/1414021

Housing screw connection, Socket, M12, Rear mounting, M15 x 1

Flush-type connector - SACC-CI-M12FSY-8P SMD SHT

1411965

https://www.phoenixcontact.com/us/products/1411965

Housing screw connection

Housing screw connection - SACC-BP-F-M12/M15-6-SMD SCO - 1414023

https://www.phoenixcontact.com/us/products/1414023

Housing screw connection, Socket, M12-SPEEDCON, Rear mounting, M15 x 1

Housing screw connection

Housing screw connection - SACC-FP-F-M12/M14 SMD - 1412079

https://www.phoenixcontact.com/us/products/1412079

M12 female connector, front mounting SMD with M14 screw fastening

Flush-type connector - SACC-CI-M12FSY-8P SMD SHT

1411965

https://www.phoenixcontact.com/us/products/1411965

Housing screw connection

Housing screw connection - SACC-FP-F-M12/PRESS SMD - 1412081

https://www.phoenixcontact.com/us/products/1412081

Housing screw connection, socket, for the two-part M12 SMD connector, for press-in mounting.

Housing screw connection

Housing screw connection - SACC-BP-F-M12/SMD-0,9/1,6-9TIP - 1419569

https://www.phoenixcontact.com/us/products/1419569

M12 threaded sleeve with tolerance-compensating function, for straight, SMD-solderable M12 socket contact inserts. Suitable for 0.9 mm ... 1.6 mm thick front plates.

Flush-type connector - SACC-CI-M12FSY-8P SMD SHT

Housing screw connection

Housing screw connection - SACC-BP-F-M12/SMD-1,6/2,3-9TIP - 1419570

https://www.phoenixcontact.com/us/products/1419570

M12 threaded sleeve with tolerance-compensating function, for straight, SMD-solderable M12 socket contact inserts. Suitable for 1.6 mm ... 2.3 mm thick front plates.

Housing screw connection

Housing screw connection - SACC-BP-F-M12/SMD-2,3/3,0-9TIP - 1419571

https://www.phoenixcontact.com/us/products/1419571

M12 threaded sleeve with tolerance-compensating function, for straight, SMD-solderable M12 socket contact inserts. Suitable for 2.3 mm ... 3.0 mm thick front plates.

Flush-type connector - SACC-CI-M12FSY-8P SMD SHT

1411965

https://www.phoenixcontact.com/us/products/1411965

Housing screw connection

Housing screw connection - SACC-BP-F-FIX/NUT-BK-SMD - 1419568

https://www.phoenixcontact.com/us/products/1419568

Fixing sleeve for M12 housing screw connection with tolerance-compensating function, for SMD-solderable M12 socket contact inserts.

Housing screw connection

Housing screw connection - SACC-BP-F-FIX/NUT-CY-SMD - 1419565

https://www.phoenixcontact.com/us/products/1419565

Fixing sleeve for M12 housing screw connection with tolerance-compensating function, for SMD-solderable M12 socket contact inserts.

Flush-type connector - SACC-CI-M12FSY-8P SMD SHT

1411965

https://www.phoenixcontact.com/us/products/1411965

Housing screw connection

Housing screw connection - SACC-BP-F-FIX/NUT-GN-SMD - 1419566

https://www.phoenixcontact.com/us/products/1419566

Fixing sleeve for M12 housing screw connection with tolerance-compensating function, for SMD-solderable M12 socket contact inserts.

Housing screw connection

Housing screw connection - SACC-BP-F-FIX/NUT-VT-SMD - 1419567

https://www.phoenixcontact.com/us/products/1419567

Fixing sleeve for M12 housing screw connection with tolerance-compensating function, for SMD-solderable M12 socket contact inserts.