

Flush-type connector - SACC-CI-M12FSX-8P SMD SH T - 1411964

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Flush-type connector, Ethernet, 8-position, SocketLink:straightLink:M12, X - data, PCB mounting, SMD

M12 female contact carrier, straight

Why buy this product

- 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



Key Commercial Data

Packing unit	1 STK
Minimum order quantity	60 STK
Weight per Piece (excluding packing)	4.67 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Ambient conditions

Ambient temperature (operation)	-25 °C ... 105 °C (Plug / socket)
	-55 °C ... 105 °C (without mechanical actuation)
Degree of protection	IP67 (correctly plugged in and locked)

General

Note	The electrical and mechanical data specified assume that the connector pair is correctly locked and mounted. If the connector is unlocked and if
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Technical data

General

	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.
Rated current at 40°C	0.5 A (Data)
Rated voltage	50 V AC
	60 V DC
Rated surge voltage	1.5 kV
Number of positions	8
Insulation resistance	> 100 MΩ
Coding	X - data
Standards/regulations	M12 connector IEC 61076-2-109 In line with
Signal type/category	Ethernet
Overvoltage category	III
Degree of pollution	3
Connection method	SMD
Insertion/withdrawal cycles	> 100
Mounting type	PCB mounting
Type of packaging	Tray
Delivery state	with assembly pad

Material

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

Cable

Standards/specifications	M12 connector IEC 61076-2-109 In line with
Transmission characteristics (category)	CAT6 _A

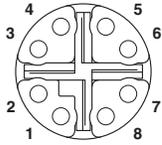
Standards and Regulations

Standard designation	M12 connector
Standards/regulations	IEC 61076-2-109
Flammability rating according to UL 94	V0

Drawings

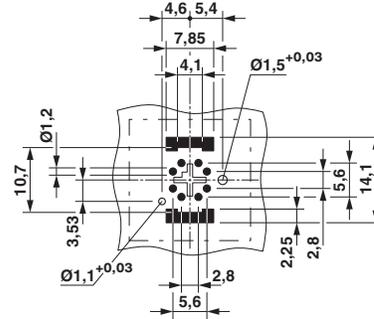
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Schematic diagram



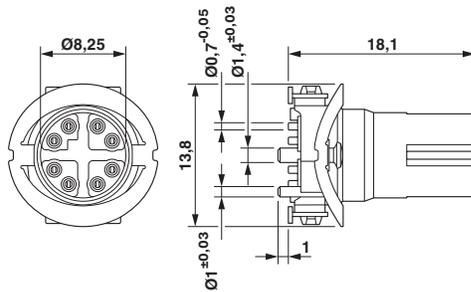
Pin assignment M12 connector, 8-pos., view socket side

Drilling diagram



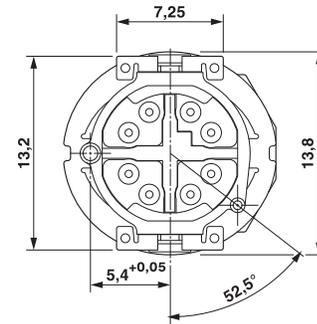
Soldering pad geometry

Dimensional drawing



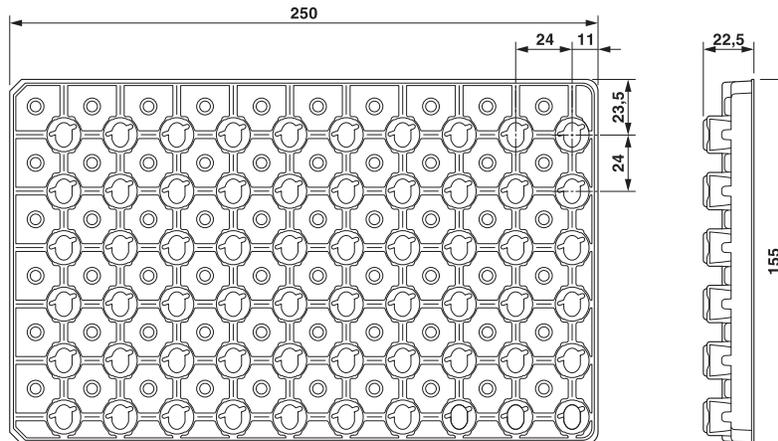
M12 female connector contact carrier

Dimensional drawing



View of solder side

Dimensional drawing



SMD tray packaging

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Classifications

eCl@ss

eCl@ss 5.1	27143423
eCl@ss 6.0	27143423
eCl@ss 8.0	27440103
eCl@ss 9.0	27440102

ETIM

ETIM 5.0	EC002061
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Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

UL Recognized	
Nominal current IN	0.5 A
Nominal voltage UN	60 V

cUL Recognized	
Nominal current IN	0.5 A
Nominal voltage UN	60 V

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Approvals

EAC

cULus Recognized 

Accessories

Accessories

Contact insert

Sample set - SACC-CI-M12FSX-8P SMD SH-SP - 1418637



Sample set, Ethernet, 8-position, SocketLink:straightLink:M12, X - data, PCB mounting, SMD

Panel mounting base

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



Housing screw connection, SocketLink:M12, Rear mounting, M15 x 1

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



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

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Accessories

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



Housing screw connection, SocketLink:M12, Front mounting, M14 x 1

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



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

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

Housing screw connection - SACC-BP-F-M12/SMD-1,6/2,3-9TIP - 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 - SACC-BP-F-M12/SMD-2,3/3,0-9TIP - 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.

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Accessories

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



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

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



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

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



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

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



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