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Flush-type connector - SACC-CIP-M12MST-4P SMD SH T - 1411962

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Flush-type connector, 4-position, PlugLink:straightLink:M12, T power, PCB mounting, SMD

Why buy this product

■ For compact devices: transmit high power in a confined space

■ 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

■ Additional gasket for the device when not plugged in

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)
	-40 °C ... 105 °C (without mechanical actuation)
Degree of protection	IP67 (correctly plugged in and locked)
	IP65 (not plugged in, by means of additional O-ring seal with device)

General

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Technical data

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 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	12 A
Rated voltage	60 V
Rated surge voltage	1.5 kV
Number of positions	4
Insulation resistance	≥ 100 MΩ
Coding	T power
Standards/regulations	M12 connector IEC 61076-2-111 In line with
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
Sealing material	FKM

Cable

Standards/specifications	M12 connector IEC 61076-2-111 In line with

Standards and Regulations

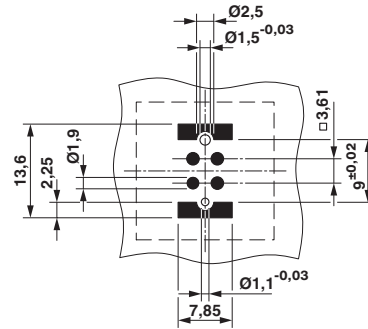| Standard designation	M12 connector
Standards/regulations	IEC 61076-2-111
Flammability rating according to UL 94	V0

Drawings

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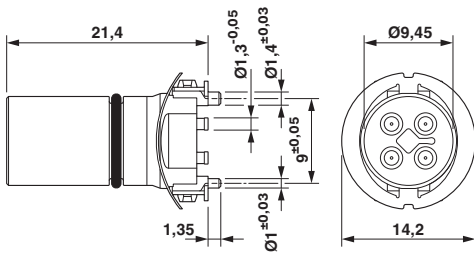# Flush-type connector - SACC-CIP-M12MST-4P SMD SH T - 1411962

Schematic diagram
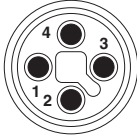
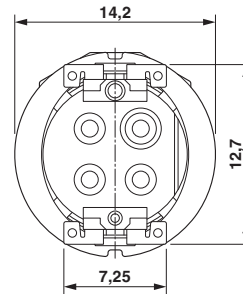Connector pin assignment of M12 plug, 4-pos., T-coded, view of pin side

Drilling diagram
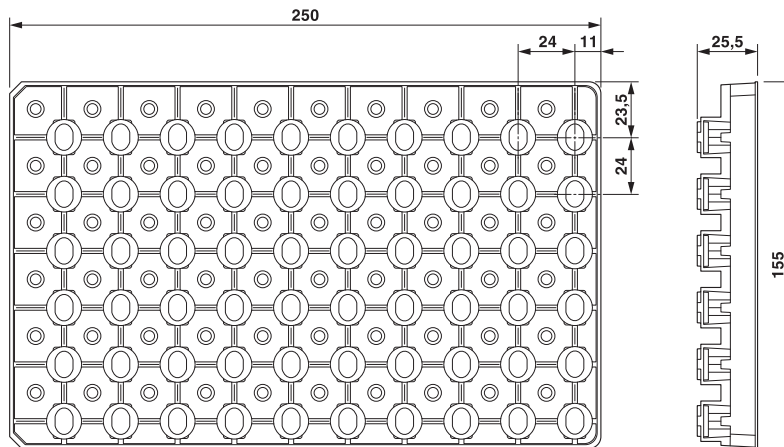
Soldering pad geometry

Dimensional drawing

M12 male 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

Approvals

Approvals

Approvals

UL Listed / cUL Listed / EAC / cULus Listed

Ex Approvals

Approvals submitted

Approval details

UL Listed

Nominal current IN	10 A
Nominal voltage UN	63 V

cUL Listed

Nominal current IN	8 A
Nominal voltage UN	63 V

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Approvals

EAC

cULus Listed

Accessories

Accessories

Contact insert

Sample set - SACC-CIP-M12MST-4P SMD SH-SP - 1418644

Sample set, 4-position, PlugLink:straightLink:M12, T power, PCB mounting

Panel mounting base

Housing screw connection - SACC-BP-M-M12/M15-6-SMD - 1414000

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

Housing screw connection - SACC-BP-M-M12/M15-6-SMD SCO - 1414002

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

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Accessories

Housing screw connection - SACC-FP-M-M12/M14 SMD - 1412078

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

Housing screw connection - SACC-FP-M-M12/PRESS SMD - 1412080

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