

SACC-CI-M12MST-4CON-L180THR SH SP - Sample set



1420413

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Sample set, Universal, 4-position, Pin, straight, M12, T-coding, THR solder connection



Commercial data

Item number	1420413
Packing unit	5 pc
Minimum order quantity	5 pc
Note	Made to order (non-returnable)
Product key	ABQXAA
GTIN	4055626224299
Weight per piece (including packing)	8.38 g
Weight per piece (excluding packing)	3.287 g
Country of origin	DE

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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.
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Product properties

Product type	Contact insert
Application	Power
Number of positions	4
No. of cable outlets	1
Shielded	yes
Coding	T
Thread type	M12

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated voltage in acc. with IEC 61076-2-101	630 V
Rated surge voltage	1.5 kV
Contact resistance	$\leq 3 \text{ m}\Omega$
Insulation resistance	\geq
Nominal voltage U_N	60 V
Nominal current I_N	12 A

Connection data

Connection method	THR solder connection
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Interfaces

Signal type/category	Universal
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Material specifications

Flammability rating according to UL 94	V0
Seal material	FKM
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA

Connector

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Connection 1

Head design	Pin
Head cable outlet	straight
Head thread type	M12
Coding	T

Cable/line

Signal type/category	Universal
Ambient temperature (operation)	-40 °C ... 105 °C (cable, fixed installation)
	-25 °C ... 105 °C (Cable, flexible installation)

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	> 100
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Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67
Ambient temperature (operation) (male connector/female connector)	-25 °C ... 85 °C (Plug / socket)
	-40 °C ... 85 °C (without mechanical actuation)
Ambient temperature (operation) (Cable, flexible installation)	-25 °C ... 105 °C (Cable, flexible installation)
Ambient temperature (operation) (Cable, fixed installation)	-40 °C ... 105 °C (cable, fixed installation)
UL Type Rating	Type 4 (indoor use only)

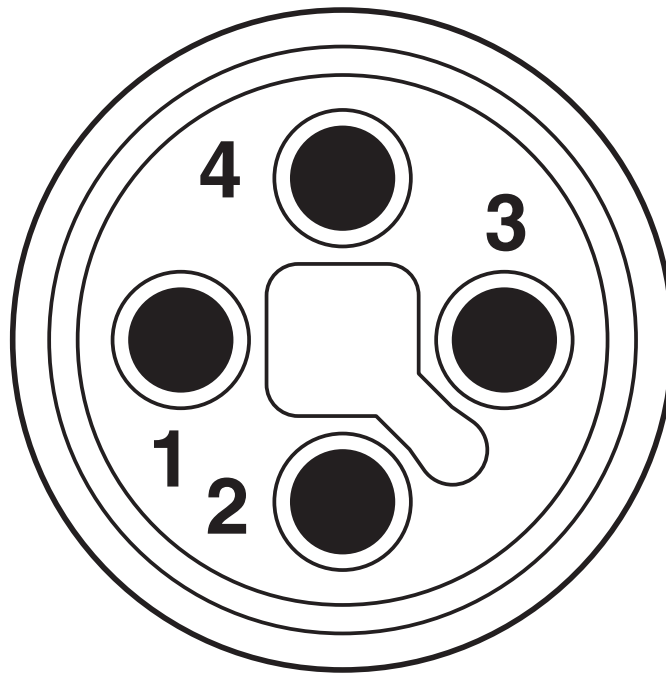
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Drawings

Schematic diagram



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

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Classifications

ETIM

ETIM 9.0	EC003557
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UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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