

1418342

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Contact carrier, Power, 4-position, Socket, straight, M12, coding: T, PCB mounting, THR solder connection, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239190

Your advantages

- · 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

Commercial data

Item number	1418342
Packing unit	100 pc
Minimum order quantity	100 pc
Product key	ABQAGI
GTIN	4055626170671
Weight per piece (including packing)	7.23 g
Weight per piece (excluding packing)	4.53 g
Customs tariff number	85366990
Country of origin	DE



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Flammability rating according to UL 94

Contact material

Contact surface material

Contact carrier material

Technical data

Notes

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
Application	Power
Sensor type	Power
Number of positions	4
Seal present	no
Shielded	yes
Coding	Т
Thread type	M12
Data management status	
Article revision	09
Insulation characteristics	
Overvoltage category	III
Degree of pollution	3
Electrical properties	
Rated surge voltage	1.5 kV
Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U _N	63 V
Nominal current I _N	12 A
Connection data	
Connection method	THR solder connection
Interfaces	
Signal type/category	Power
Material specifications	
·r	

V0

Au

PΑ

CuZn



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Connector

Connection 1

Head design	Socket
Head cable outlet	straight
Head thread type	M12
Coding	Т

Cable/line

Signal type/category	Power
Oighai type/oategory	1 OWCI

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	> 100

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)
	IP67, when plugged in
Ambient temperature (operation)	-25 °C 105 °C
	-40 °C 105 °C (without mechanical actuation)

Standards and regulations

M12

Standard designation	M12 connector

Mounting

Mounting type	PCB mounting

Packaging specifications

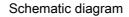
Type of packaging	Belt
Delivery state	with assembly pad

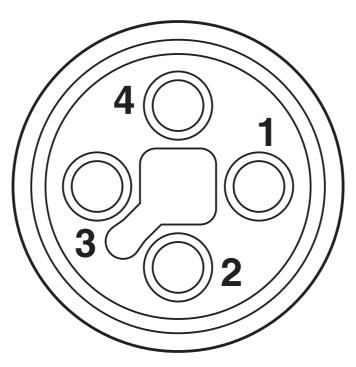


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Drawings





Pin assignment of M12 socket, 4-pos., T-coded, socket side view



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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/pc/products/1418342

. 51 1	cUL Recognized Approval ID: E468743-2019091	17			
	No	ominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
	63	V	12 A	16 - 16	-

71	UL Recognized Approval ID: E468743-20	0190917			
		Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
		63 V	12 A	16 - 16	-

cULus Recognized



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Classifications

UNSPSC 21.0

ECLASS

ECLASS-11.0	27440102
ECLASS-12.0	27440116
ECLASS-13.0	27440116
ETIM	
ETIM 9.0	EC002635
UNSPSC	

39121400



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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)
China RoHS	
Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
EU REACH SVHC	
REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	2848dbcc-40cc-482b-9a8b-2dc75e4158e9

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