

1425641

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Contact carrier, Power, 4-position, Pin, straight, M12, coding: L, PCB mounting, THR solder connection

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 fastening
- Additional gasket for the device when not plugged in

Commercial data

Item number	1425641
Packing unit	60 pc
Minimum order quantity	60 pc
Note	Made to order (non-returnable)
Sales key	AB23
Product key	ABQAGF
GTIN	4055626431628
Weight per piece (including packing)	10.216 g
Weight per piece (excluding packing)	10.216 g
Customs tariff number	85366990
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.
Product properties	
Product type	Contact insert
Application	Power
Sensor type	Power
Number of positions	4
Seal present	yes
Shielded	yes
Coding	L
Thread type	M12
Insulation characteristics	
Overvoltage category	III
Degree of pollution	3
Data management status	
Article revision	06
lectrical properties	
Rated surge voltage	1.5 kV
Nominal voltage U _N	63 V
Nominal current I _N	16 A
connection data	
Connection method	THR solder connection
nterfaces	
Signal type/category	Power
faterial specifications	
Flammability rating according to UL 94	V0
Seal material	FKM
Contact material	CuZn
Contact surface material	Au

PA 4T

Connector

Contact carrier material



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Connection 1

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

Cable/line

Signal type/category	Power
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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
Standards/specifications	IEC 61076-2-111
Note	In line with

Mounting

Mounting type PCB mounting	
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Packaging specifications

Type of packaging	Belt
Delivery state	with assembly pad

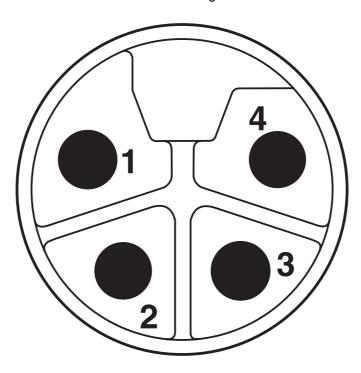


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Drawings

Schematic diagram



Pin assignment of M12 connector, 4-pos., L-coded, pin side view



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Approvals

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		Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
		63 V	16 A	-	-



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Classifications

UNSPSC 21.0

ECLASS				
	ECLASS-13.0	27440223		
ΕΊ	ГІМ			
	ETIM 9.0	EC003569		
1U	NSPSC			

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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions	
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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