

1425604

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Contact carrier, Power, 4-position, Socket, 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	1425604
Packing unit	60 pc
Minimum order quantity	60 pc
Note	Made to order (non-returnable)
Sales key	AB23
Product key	ABQAGW
GTIN	4055626428406
Weight per piece (including packing)	4.768 g
Weight per piece (excluding packing)	4.66 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
Coding	L
Thread type	M12

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical 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
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Interfaces

Signal type/category	Power

Material specifications

Flammability rating according to UL 94	V0
Seal material	FKM
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 4T

Connector

Connection 1

Head design	Socket
Head cable outlet	straight



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Head thread type	M12
Coding	L
Cable/line	
Signal type/category	Power
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
lounting	
Mounting type	PCB mounting
Packaging specifications	
Type of packaging	Tray
Delivery state	with assembly pad

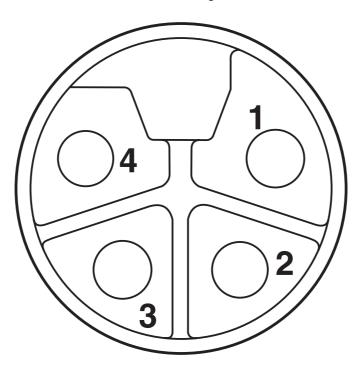


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Drawings





Pin assignment of M12 socket, 4-pos., L-coded, socket 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

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	ECLASS-13.0	27440223	
ETIM			
	ETIM 9.0	EC002637	
UNSPSC			
	UNSPSC 21.0	39121400	



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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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