

1425592

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Device connector rear mounting, Power, 4-position, Pin, straight, M12, coding: L, Rear mounting, M16 x 1.5, Wave soldering, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239523

Your advantages

- Easy PCB assembly: one-piece connectors for wave soldering
- For compact devices: transmit high power in a confined space
- Easy-to-install, optimized XL housing contour with wrench size 19
- · Mechanical tightening limitation for long-term-stable gasket

Commercial data

Item number	1425592
Packing unit	20 pc
Minimum order quantity	20 pc
Note	Made to order (non-returnable)
Product key	ABQEGN
GTIN	4055626428451
Weight per piece (including packing)	17.8 g
Weight per piece (excluding packing)	17.8 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.
Order information:	Lock nut is included in the scope of delivery

Mounting

Mounting type	Rear mounting M16 x 1.5 With flat nut
Assembly note	With flat nut

Product properties

Product type	Circular connectors (device side)
Application	Power
Sensor type	Power
Number of positions	4
Seal present	yes
Shielded	no
Coding	L
Thread type	M12

Data management status

Article revision	03
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Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Material specifications

Flammability rating according to UL 94	V0
Seal material	FKM
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA
Material for screw connection	Zinc die-cast, nickel-plated

Electrical properties

Rated surge voltage	1.5 kV
Nominal voltage U _N	63 V DC
Nominal current I _N	16 A



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Connection data

Conductor connection

Connection method	Wave soldering
Contact connection type	Pin

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	> 100

Connector

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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Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67
	IP65/IP67
Ambient temperature (operation)	-25 °C 85 °C (Plug / socket)
	-40 °C 85 °C (without mechanical actuation)

Standards and regulations

M12

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

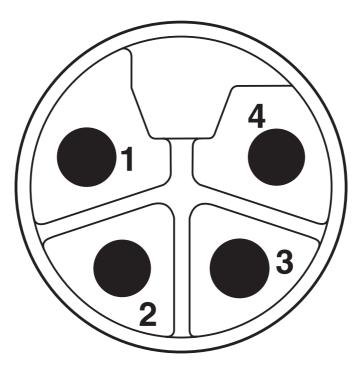


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Drawings





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



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Approvals

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c 911 us	cULus Recognized Approval ID: E468743-20180113				
		Nominal voltage U_N	Nominal current I _N	Cross section AWG	Cross section mm ²
		63 V	16 A	-	-



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Classifications

ECLASS

	ECLASS-11.0	27440102		
	ECLASS-12.0	27440116		
	ECLASS-13.0	27440116		
ETIM				
	ETIM 9.0	EC002635		
UNSPSC				
	UNSPSC 21.0	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	2212403f-dae6-4373-b33d-f2318dcb1799

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