

1456129

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Device connector rear mounting, 4-position, Socket, straight, M8, Rear mounting, M10, Solder pins

Your advantages

- Easy PCB assembly: one-piece connectors for wave soldering
- Standard pin assignments and codings for signal transmission with a uniform design-in design
- For high transmission reliability: optional shield connection to the housing and latching on the PCB

Commercial data

Item number	1456129	
Packing unit	20 pc	
Minimum order quantity	20 pc	
Sales key	AB22	
Product key	ABQJAB	
Catalog page	Page 229 (C-2-2013)	
GTIN	4046356605762	
Weight per piece (including packing)	6.56 g	
Weight per piece (excluding packing) 6.465 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.

Mounting

Mounting type	Rear mounting M10 With flat nut	
Assembly note	With flat nut	

Product properties

Product type	Circular connectors (device side)
Number of positions	4
Shielded	yes
Coding	A
Thread type	M8

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Material specifications

Flammability rating according to UL 94		
Seal material	NBR	
Contact material	Cu alloy	
Contact surface material	Au	
Contact carrier material	PA 6.6	
Material for screw connection	Zinc die-cast, nickel-plated	

Electrical properties

Rated surge voltage	1.5 kV
Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U _N	48 V AC
	60 V DC
Nominal current I _N	4 A

Connection data

Connection method	Solder pins
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M8

Standard designation

Standards/specifications

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Contact connection type	Socket
Tightening torque	1 Nm 1.5 Nm (Installation-side)
echanical properties	
Mechanical data	
Insertion/withdrawal cycles	> 100
onnector Connection 1	
Head design	Socket
Head cable outlet	straight
Head thread type	M8
nvironmental and real-life conditions Ambient conditions	
Degree of protection	IP67
	IP67
Ambient temperature (operation)	-25 °C 85 °C

M8 connector IEC 61076-2-104

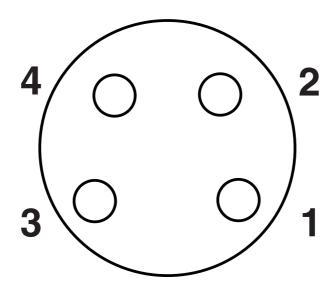


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Drawings

Schematic diagram



Pin assignment M8 socket, 4-pos., view female side



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Approvals

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CUL Recognized Approval ID: E221474-20070307					
		Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
		30 V	4 A	24 - 24	-

SUL Recognized Approval ID: E221474-20070307					
		Nominal voltage U_N	Nominal current I _N	Cross section AWG	Cross section mm ²
		30 V	4 A	24 - 24	-

cULus Recognized



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Classifications

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	ECLASS-13.0	27440109		
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	5de401fd-7ac1-4799-a5cc-9048c4ff7bcb

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