

1441956

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Device connector rear mounting, 12-position, Socket, M12, coding: A, Rear mounting, M16 x 1.5, Wave soldering, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0. 1 %) item no.: 1239754

Your advantages

- · Easy PCB assembly: one-piece connectors for wave soldering
- · All standard pin assignments and codings for signal, data, and power transmission with a uniform design-in design
- · SPEEDCON fast locking system reduces cabling times
- · For high transmission reliability: optional shield connection to the housing by means of shield contact

Commercial data

Item number	1441956		
Packing unit	20 pc		
Minimum order quantity	20 pc		
Sales key	31BAB		
Product key	ABQEHB		
Catalog page	Page 251 (C-2-2013)		
GTIN	4046356534178		
Weight per piece (including packing)	15.555 g		
Weight per piece (excluding packing)	15.555 g		
Customs tariff number	85366990		
Country of origin	DE		



1441956

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Technical data

Notes

General	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.
General	Lock nut is included in the scope of delivery

Mounting

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

Product properties

Product type	Circular connectors (device side)
Number of positions	12
Shielded	yes
Coding	A
Thread type	M12
Insulation characteristics	
Overvoltage category	П
Degree of pollution	3

Dimensions

Length of the solder pin	6 mm
	6 mm

Material specifications

Flammability rating according to UL 94	V0	
Seal material	NBR	
Contact material	CuZn	
Contact surface material	Au	
Contact carrier material	PA 6.6	
Material for screw connection	Zinc die-cast, nickel-plated	

Electrical properties

Rated surge voltage	0.8 kV
Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U _N	30 V
Nominal current I _N	1.5 A



1441956

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Connection data

Conductor connection	
Connection method	Wave soldering
Contact connection type	Socket
Tightening torque	3 Nm 4 Nm (Installation-side)
Mechanical properties	
Mechanical data	
Insertion/withdrawal cycles	> 100
Connector Connection 1	
Head design	Socket
Head thread type	M12
Coding	A
Cable/line	
Ambient temperature (operation)	-40 °C 85 °C (cable, fixed installation)
	-25 °C 85 °C (Cable, flexible installation)
Environmental and real-life conditions	
Degree of protection	IP67 (When plugged in)
	IP65 (When plugged in)

Degree of protection	1P67 (when plugged in)
	IP65 (When plugged in)
	IP65/IP67
Ambient temperature (operation)	-25 °C 85 °C (Plug / socket)
	-40 °C 85 °C (without mechanical actuation)
	-25 °C 85 °C (Cable, flexible installation)
	-40 °C 85 °C (cable, fixed installation)

Standards and regulations

M12				
Standard designation	M12 connector			
Standards/specifications	IEC 61076-2-101			

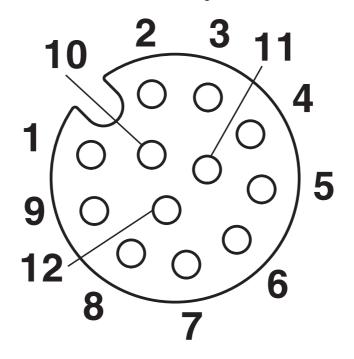


1441956

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Drawings

Schematic diagram



Pin assignment M12, 12-pos., female side view



1441956

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Approvals

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UL Recognized Approval ID: E118976-20100522						
	Nominal vo	oltage U _N Nominal cu	rrent I _N Cross section A	WG Cross section mm ²		
	30 V	1.5 A	26 - 26	-		

c 911 us	CULus Recognized Approval ID: E221474-20140616					
		Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²	
		30 V	1.5 A	26 - 26	-	



1441956

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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	



1441956

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Environmental product compliance

REACh SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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