

1438024

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Device connector rear mounting, 5-position, Socket, angled, M12-SPEEDCON, A-coding, THR and wave soldering, this item is expected to be lead-free from Q2 2026 in accordance with RoHS II without exception 6c (Pb < 0.1%), a lead-free alternative is possible on request in advance

Commercial data

Item number	1438024
Packing unit	10 pc
Minimum order quantity	1 pc
Sales key	AB26
Product key	ABQEHA
GTIN	4046356457521
Weight per piece (including packing)	13.86 g
Weight per piece (excluding packing)	10.555 g
Customs tariff number	85366990
Country of origin	DE



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Technical data

Notes

Order information:	Lock nut is included in the scope of delivery

Mounting

Mounting type	Rear mounting (M12 x 1, with flat nut)

Product properties

Product type	Circular connectors (device side)
Number of positions	5
Shielded	yes
Coding	A
Thread type	M12
Insulation characteristics	
Overveltene esteren	II.

Overvoltage category	II .
Degree of pollution 3	3

Material specifications

Flammability rating according to UL 94	НВ
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	60 V
Nominal current I _N	4 A

Connection data

Conductor connection

Connection method	THR and wave soldering
Contact connection type	Socket

Connector

Connection 1

Connection		
	Head design	Socket



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Head cable outlet	angled
Head thread type	M12
Head locking type	SPEEDCON
Coding	A

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67
Ambient temperature (operation) (male connector/female connector)	-25 °C 85 °C (Plug / socket)

Standards and regulations

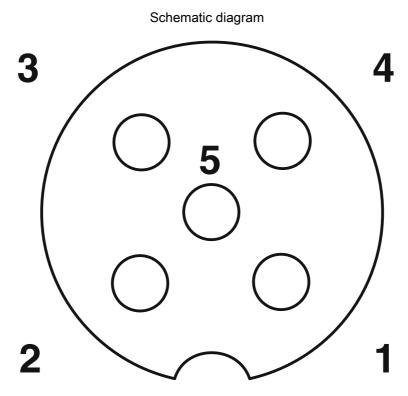
Standard designation	M12 circular connector
Standards/specifications	according to IEC 61076-2-101



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Drawings



Pin assignment M12 socket, 5-pos., A-coded, socket side view



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Approvals

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71	UL Recognized Approval ID: E118976-20	0100522			
		Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
		60 V	4 A	22	-



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Classifications

ECLASS

	ECLASS-13.0	27440110
	ECLASS-15.0	27440110
ET	IM	
	ETIM 9.0	EC003568
LINSPSC		

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	8ad22146-8ecf-4602-863e-99fa6299b3de

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