

1694224

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Device connector rear mounting, 5-position, Pin, angled, M12, coding: A, Rear mounting, M12  $\times$  1, Wave soldering





### Commercial data

Item number	1694224
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	AB23
Product key	ABQEGI
GTIN	4017918177508
Weight per piece (including packing)	12.03 g
Weight per piece (excluding packing)	11.64 g
Customs tariff number	85366990
Country of origin	DE



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### Technical data

### Mounting

Mounting type	Rear mounting M12 x 1 With locking nut	
Assembly note	With locking nut	

### Product properties

Product type	Circular connectors (device side)
Number of positions	5
Shielded	no
Coding	A
Thread type	M12

#### Insulation characteristics

Overvoltage category	II
Degree of pollution	3

### Material specifications

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

### Electrical properties

Contact resistance	≤ 5 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U <sub>N</sub>	60 V
Nominal current I <sub>N</sub>	4 A

#### Connection data

#### Conductor connection

Connection method	Wave soldering	
Contact connection type	Pin	

## Connector

#### Connection 1

Head design	Pin
Head cable outlet	angled
Head thread type	M12
Coding	A



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#### Environmental and real-life conditions

#### Ambient conditions

Degree of protection	IP67
	IP67
Ambient temperature (operation) (male connector/female connector)	-25 °C 85 °C (Plug / socket)
UL Type Rating	Type 4 (indoor use only)

## Standards and regulations

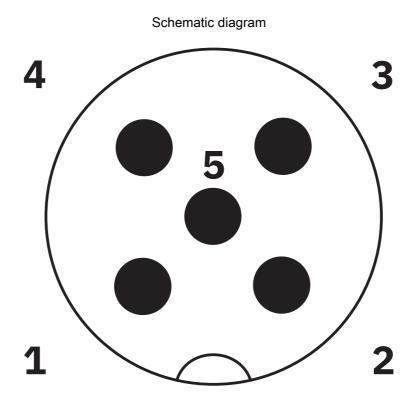
Standard designation	M12 circular connector	
Standards/specifications	according to IEC 61076-2-101	



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# Drawings



Pin assignment M12 male connector, 5-pos., A-coded, male side



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## Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1694224

cUL Recognized Approval ID: FILE E 221474					
		Nominal voltage $U_N$	Nominal current I <sub>N</sub>	Cross section AWG	Cross section mm <sup>2</sup>
		60 V	4 A	-	-

<i>9</i> 7	UL Recognized Approval ID: FILE E 221	474			
		Nominal voltage $U_N$	Nominal current I <sub>N</sub>	Cross section AWG	Cross section mm <sup>2</sup>
		60 V	4 A	-	-

<b>7.1</b>	UL Recognized Approval ID: E221474-20070307					
		Nominal voltage U <sub>N</sub>	Nominal current I <sub>N</sub>	Cross section AWG	Cross section mm <sup>2</sup>	
		60 V	4 A	-	-	

<b>.71</b>	cUL Recognized Approval ID: E221474-20070307						
		Nominal voltage U <sub>N</sub>	Nominal current I <sub>N</sub>	Cross section AWG	Cross section mm <sup>2</sup>		
		60 V	4 A	-	-		



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### Classifications

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	ECLASS-13.0	27440110	
ETIM			
	ETIM 9.0	EC003568	
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	56fb8f13-4363-4a90-bfec-025ff82832b5

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