

1424244

https://www.phoenixcontact.com/us/products/1424244

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Device connector rear mounting, 6-position, Pin, angled, M8, A-coding, Wave soldering

## 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	1424244
Packing unit	20 pc
Minimum order quantity	1 pc
Sales key	AB22
Product key	ABQJAA
GTIN	4046356712569
Weight per piece (including packing)	6.333 g
Weight per piece (excluding packing)	6.333 g
Customs tariff number	85366990
Country of origin	DE



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### Technical data

### Mounting

Mounting type	Rear mounting (M8 x 1, with flat nut)
Tightening torque	1 Nm 1.5 Nm (Installation-side)

### Product properties

Product type	Circular connectors (device side)
Application	Data
Number of positions	6
Shielded	yes
Coding	A
Thread type	M8

#### Insulation characteristics

Overvoltage category	II
Degree of pollution	3

### Material specifications

Material Housing	GD-Zn
Material Housing surface	Ni
Material Insulating body	PA 6.6
Material Contact	Cu alloy
Material Contact surface	Au
Flammability rating according to UL 94	НВ

#### Electrical properties

Rated surge voltage	0.8 kV
Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U <sub>N</sub>	30 V AC
	30 V DC
Nominal current I <sub>N</sub>	2 A

#### Connection data

#### Conductor connection

Connection method	Wave soldering	
Contact connection type	Pin	
Tightening torque	1 Nm 1.5 Nm (Installation-side)	

#### Connector

#### Connection 1



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Head design	Pin
Head cable outlet	angled
Head thread type	M8
Coding	A

#### Environmental and real-life conditions

#### Ambient conditions

Degree of protection	IP67
Ambient temperature (operation)	-40 °C 85 °C
	-25 °C 85 °C

### Standards and regulations

Standard designation	M8 circular connector	
Standards/specifications	according to IEC 61076-2-104	

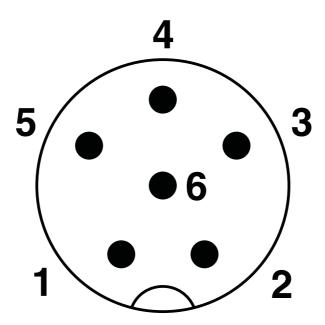


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# Drawings

### Schematic diagram



Pin assignment M8 plug, 6-pos., view male side



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# Approvals

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. <b>91</b>	CUL Recognized Approval ID: E221474-20070307				
	No	minal voltage U <sub>N</sub>	Nominal current I <sub>N</sub>	Cross section AWG	Cross section mm <sup>2</sup>
keine					
	30	V	1.5 A	26	-

<b>7.</b>	UL Recognized Approval ID: E221474-20070307				
	Nominal voltage U	Nominal current I <sub>N</sub>	Cross section AWG	Cross section mm <sup>2</sup>	
keine					
	30 V	1.5 A	26	-	



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## Classifications

#### **ECLASS**

	ECLASS-13.0	27440110	
	ECLASS-15.0	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	76743ec7-8b0b-4087-b075-f767d0e1c465

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Phoenix Contact USA 586 Fulling Mill Road Middletown, PA 17057, United States (+717) 944-1300 info@phoenixcon.com