

1453494

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Device connector rear mounting, 6-position, Pin, straight, M8, Rear mounting, M8 \times 1, Individual wires, cable length: 0.5 m, 0.14 mm², PVC litz wire

Your advantages

- · Preassembled with litz wires for immediate use
- · Customer-specific assemblies and litz wire lengths available
- Sealed on the litz wire side for optimum leak-tightness
- · Standard pin assignments and codings for signal transmission with a uniform design-in design

Commercial data

Item number	1453494	
Packing unit	1 pc	
Minimum order quantity	1 pc	
Sales key	AB22	
Product key	ABQICA	
Catalog page	Page 34 (C-2-2019)	
GTIN	4046356554428	
Weight per piece (including packing)	14.7 g	
Weight per piece (excluding packing)	12.9 g	
Customs tariff number	85444290	
Country of origin	DE	



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Technical data

Mounting

Mounting type	Rear mounting M8 x 1 With flat nut
Assembly instructions	With flat nut

Product properties

Product type	Circular connectors (device side)
Number of positions	6
No. of cable outlets	1
Shielded	no
Coding	A
Thread type	M8

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Material specifications

Flammability rating according to UL 94	НВ
Seal material	FKM
Contact material	Cu alloy
Contact surface material	Au
Contact carrier material	PUR/PA 6.6
Material for screw connection	Brass, nickel-plated
Conductor material	Tin-plated Cu litz wires

Electrical properties

Rated surge voltage	0.8 kV
Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U _N	30 V AC
	30 V DC
Nominal current I _N	1.5 A
Max. conductor resistance	80 Ω/km

Connection data

Conductor connection

Connection method	Individual wires
Contact connection type	Pin
Conductor cross section	0.14 mm²
Tightening torque	1 Nm 1.5 Nm (Installation-side)



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Connector

Connection 1

Head design	Pin
Head cable outlet	straight
Head thread type	M8

Cable/line

Cable length	0.5 m	
Cable type	PVC litz wire	
Wire diameter incl. insulation	1.3 mm ±0.1 mm	
Single wire, color	black, brown,blue, white, gray, pink	
Cable cross section	0.14 mm²	
Conductor material	Tin-plated Cu litz wires	
Conductor structure signal line	7x 0.16 mm	
AWG signal line	24	
Material wire insulation	PVC / UL	
Thickness, insulation	0.38 mm	
Nominal voltage, cable	300 V	
Test voltage, cable	2000 V AC	
Cable resistance	≥ 80 Ω/km	
Cable insulation resistance	≥ 20 MΩ*km	
Ambient temperature (operation)	-40 °C 105 °C (cable, fixed installation)	
	-10 °C 105 °C (Cable, flexible installation)	

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67
	IP67
Ambient temperature (operation)	-25 °C 85 °C (Plug)
	-40 °C 105 °C (cable, fixed installation)
	-10 °C 105 °C (Cable, flexible installation)

Standards and regulations

M8

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

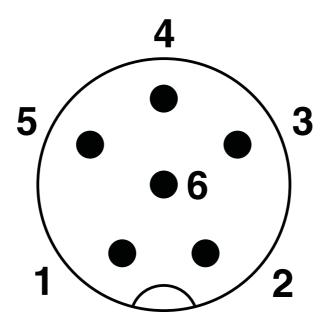


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Drawings

Schematic diagram



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



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Approvals

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. 51 2	cUL Recognized Approval ID: E221474-20070307			
	Nominal voltage U_N	Nominal current I _N	Cross section AWG	Cross section mm ²
	30 V	1.5 A	26 - 26	-

71	UL Recognized Approval ID: E221474-2	L Recognized proval ID: E221474-20070307			
		Nominal voltage U_N	Nominal current I _N	Cross section AWG	Cross section mm ²
		30 V	1.5 A	26 - 26	-

cULus Recognized



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Classifications

UNSPSC 21.0

ECLASS

202.00				
27440102				
27440116				
27440116				
ETIM				
EC002635				
UNSPSC				

39121400



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