

1453465

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Device connector rear mounting, 6-position, Socket, straight, M8, Rear mounting, M12 x 1, Individual wires, cable length: 0.5 m, 0.14 mm^2 , 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	1453465
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB22
Product key	ABQIDC
Catalog page	Page 34 (C-2-2019)
GTIN	4046356554398
Weight per piece (including packing)	21.74 g
Weight per piece (excluding packing)	20.7 g
Customs tariff number	85444290
Country of origin	DE



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Technical data

Mounting

Mounting ture	Deer mounting M42 + 4 M845 flat and
Mounting type	Rear mounting M12 x 1 With flat nut
Assembly note	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
Data management status	
Article revision	03
Insulation characteristics	
Overvoltage category	Ш
Degree of pollution	3
Aterial specifications	
Flammability rating according to UL 94	HB
Seal material	FKM
Contact material Contact surface material	Cu alloy Au
Contact surface 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	Socket	



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Conductor cross section	0.14 mm ²
Tightening torque	1 Nm 1.5 Nm (Installation-side)
Connector	
Connection 1	
Head design	Socket
Head cable outlet	straight
Head thread type	M8
N=1-1-0:	
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 mm ²
Conductor material	Tin-plated Cu litz wires
Conductor structure signal line	7x 0.16 mm
AWG signal line	26
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 (Socket)
	-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	

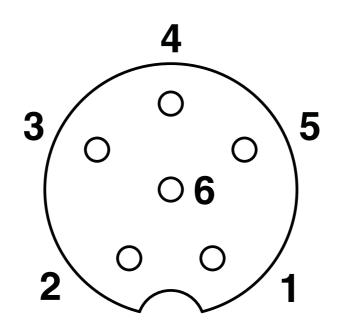


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Drawings

Schematic diagram



Pin assignment M8 socket, 6-pos.



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Approvals

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.R 1	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	-

Approval ID: E221474-20	UL 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	-

cULus Recognized



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Classifications

ECLASS

	ECLASS-11.0	27440102
	ECLASS-12.0	27440116
	ECLASS-13.0	27440116
ΕT	IM	
	ETIM 9.0	EC002635
UN	SPSC	
	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	2adbd319-2cee-402b-a344-2693e805cc91

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