

1401267

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Device connector rear mounting, 8-position, Socket, straight, M12, coding: A, on free cable end, Rear mounting, Pg9, Individual wires, cable length: 2 m, 0.34 mm², TPE litz wire, potted

Commercial data

Item number	1401267
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB24
Product key	ABQCHE
GTIN	4046356543835
Weight per piece (including packing)	83.198 g
Weight per piece (excluding packing)	80.678 g
Customs tariff number	85444290
Country of origin	DE



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Technical data

Notes

Мс	ounting	
	Mounting type	Rear mounting Pg9 With locking nut
	Assembly note	With locking nut

Lock nut is included in the scope of delivery

Product properties

Order information:

Product type	Circular connectors (device side)
Application	Signal
Number of positions	8
No. of cable outlets	1
Shielded	no
Coding	A
Thread type	M12

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Material specifications

Material Molding compound	PUR (potted)
Flammability rating according to UL 94	V0
Seal material	NBR
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 6.6
Material for screw connection	Zinc die-cast, 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
Nominal current I _N	2 A
Max. conductor resistance	80 mΩ/m

Connection data

Conductor connection



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Connection method	Individual wires
Contact connection type	Socket
Conductor cross section	0.34 mm²
Tightening torque	2 Nm 3 Nm

Connector

Connection 1

Head design	Socket
Head cable outlet	straight
Head thread type	M12
Coding	A

Connection 2

Head design	free cable end

Cable/line

Cable length	2 m
Cable type	TPE litz wire
Cable cross section	0.34 mm ²
Conductor material	Tin-plated Cu litz wires
AWG signal line	22
Material wire insulation	TPE
Nominal voltage, cable	300 V
Test voltage, cable	2000 V AC
Cable resistance	≤ 80 mΩ/m
Cable insulation resistance	≥ 20 MΩ*km

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67 (When plugged in)
	IP65 (When plugged in)
	IP65/IP67
Ambient temperature (operation)	-25 °C 85 °C (Plug / socket)
	-25 °C 90 °C (cable, fixed installation)
UL Type Rating	Type 4 (indoor use only)

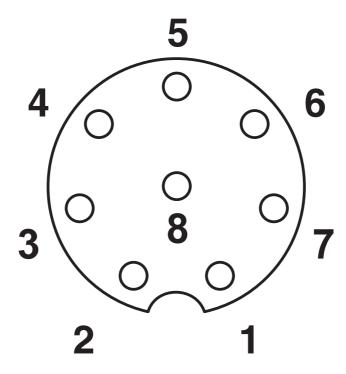


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Drawings





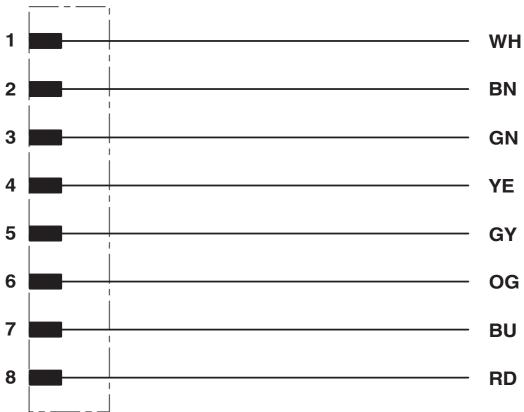
Pin assignment M12 socket, 8-pos., A-coded, view female side



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Circuit diagram



Contact assignment of the M12 socket



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Classifications

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	ECLASS-13.0	27440103	
ETIM			
	ETIM 9.0	EC003570	
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	3de8609f-5dc5-47cb-a24d-63bbffd5ad83

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