

1422719

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Sensor/actuator cable, 4-position, PVC, black RAL 9005, Plug straight M12, coding: A, on free cable end, cable length: 5 m, Without PATGs

Your advantages

• Easy and safe: 100 % electrically tested plug-in components

Commercial data

Item number	1422719
Packing unit	1 pc
Minimum order quantity	50 pc
Product key	AF1CCA
GTIN	4055626312194
Weight per piece (including packing)	157.466 g
Weight per piece (excluding packing)	157.466 g
Country of origin	DE



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Technical data

Product properties

Product type	Sensor/actuator cable
Application	Standard
Number of positions	4
No. of cable outlets	1
Shielded	no
Coding	A
Insulation characteristics	
Overvoltage category	II
Degree of pollution	3

Material specifications

Flammability rating according to UL 94	НВ
Material of grip body	TPU, hardly inflammable, self-extinguishing
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	TPU GF
Material for screw connection	Zinc die-cast, nickel-plated

Electrical properties

Nominal voltage U _N	250 V AC
	250 V DC
Nominal current I _N	4 A

Signaling

Status display	no
Status display present	no

Connection data

Conductor connection

0011440101 0011110011011		
Tightening torque	0.4 Nm	

Connector

Connection 1

Туре	Plug straight M12
Number of positions	4
Coding type	A

Connection 2	
Туре	free cable end



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Cable/line

Cable length	5 m
VC black [PVC]	
Dimensional drawing	
Cable weight	40 kg/km
UL AWM Style	2464 / 1729 (80°C/300 V)
Number of positions	4
Shielded	no
Cable type	PVC black [PVC]
Conductor structure signal line	19x 0.15 mm
AWG signal line	22
Conductor cross section	4x 0.34 mm² (Signal line)
Wire diameter incl. insulation	1.26 mm ±0.05 mm
External cable diameter	4.70 mm ±0.15 mm
Outer sheath, material	PVC
External sheath, color	black RAL 9005
Conductor material	Bare Cu litz wires
Material wire insulation	PVC
Single wire, color	brown, white, blue, black
Thickness, insulation	≥ 0.23 mm (Core insulation)
Thickness, outer sheath	≥ 0.76 mm
Overall twist	4 wires, twisted
Max. conductor resistance	≤ 57 Ω/km (at 20 °C)
Insulation resistance	≥ 200 MΩ*km (at 20 °C)
Nominal voltage, cable	≤ 300 V
Test voltage	≥ 3000 V
Minimum bending radius, fixed installation	5 x D
Minimum bending radius, flexible installation	10 x D
Smallest bending radius, fixed installation	24 mm
Smallest bending radius, movable installation	47 mm
Flame resistance	As per UL-Style 2464
Resistance to oil	according to DIN EN 60811-2-1, 168 h at 60 °C
Ambient temperature (operation)	-25 °C 80 °C (cable, fixed installation)
	-10 °C 80 °C (Cable, flexible installation)



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Environmental and real-life conditions

Degree of protection	IP65
	IP67

Standards and regulations

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

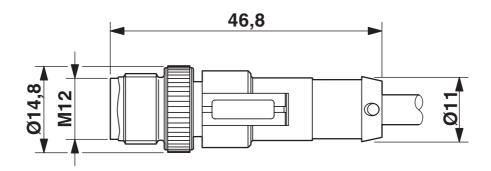


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Drawings

Dimensional drawing



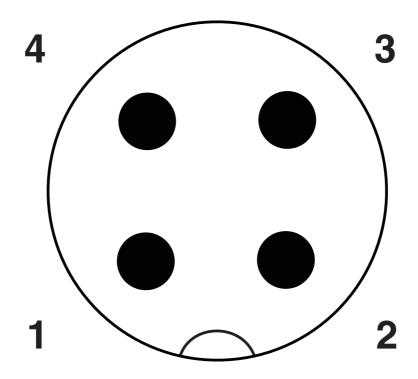
Plug, M12 x 1, straight, shielded



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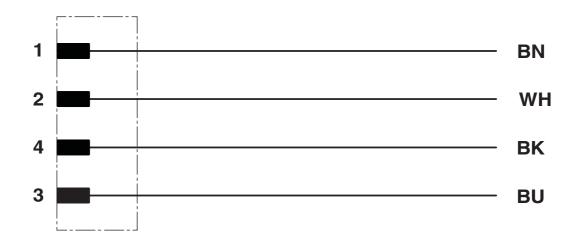
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Schematic diagram



Pin assignment M12 plug, 4-pos., A-coded, view plug side

Circuit diagram



Contact assignment of the M12 plug



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Classifications

ECLASS

ECLASS-13.0 27060311



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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
China RoHS	
Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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