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Sensor/actuator cable, 6-position, PVC, black RAL 9005, free cable end, on Socket straight M8, coding: A, cable length: 1 m

Commercial data

Item number	1422306
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	NULL
Product key	AF1BGA
GTIN	4055626297682
Weight per piece (including packing)	48 g
Weight per piece (excluding packing)	48 g
Customs tariff number	85444290
Country of origin	PL

SAC-6P- 1,0-PVC/M8FS - Sensor/actuator cable



1422306

<https://www.phoenixcontact.com/us/products/1422306>

Technical data

Product properties

Product type	Sensor/actuator cable
Number of positions	6
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	HB
Seal material	NBR
Material of grip body	TPU, hardly inflammable, self-extinguishing
Contact material	CuZn
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	30 V AC
	30 V DC
Nominal current I_N	1.5 A

Signaling

Status display	no
Status display present	no

Connector

Connection 1

Type	free cable end
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Connection 2

Type	Socket straight M8
Number of positions	6
Coding type	A

Cable/line

Cable length	1 m
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PVC black [PVC]

Cable weight	41 kg/km
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Number of positions	6
Shielded	no
Cable type	PVC black [PVC]
Conductor structure signal line	32x 0.10 mm
AWG signal line	24
Conductor cross section	6x 0.25 mm ² (Signal line)
Wire diameter incl. insulation	1.19 mm ±0.02 mm
External cable diameter	5 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, green, yellow, gray, pink
Thickness, insulation	≥ 0.23 mm (Core insulation)
Overall twist	Six cores around the filler to the core
Max. conductor resistance	≤ 78 Ω/km
Insulation resistance	≥ 1 GΩ*km
Nominal voltage, cable	300 V
Test voltage	3000 V
Ambient temperature (operation)	-25 °C ... 80 °C (cable, fixed installation)
	-5 °C ... 80 °C (Cable, flexible installation)

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65
	IP68

SAC-6P- 1,0-PVC/M8FS - Sensor/actuator cable

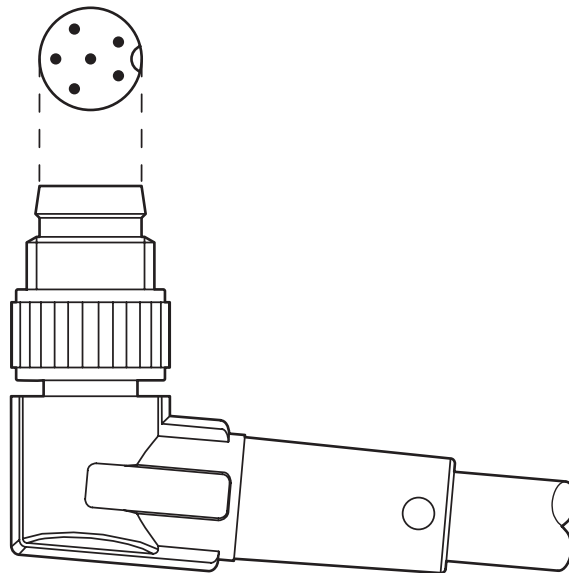
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Drawings

Schematic diagram



Layout of connector pin assignments

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Classifications

ECLASS

ECLASS-13.0	27060311
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ETIM

ETIM 8.0	EC001855
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UNSPSC

UNSPSC 21.0	26121600
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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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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