

Sensor/Actuator cable - SAC-5P-10,0-PUR/M12FS SH BK - 1512319

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Sensor/Actuator cable, 5-position, PUR/PVC, Black-gray RAL 7021, shielded, Free cable end, on Socket straight M12, A-coded, Cable length: 10 m



Key commercial data

Packing unit	1 1
Minimum order quantity	50 1
Weight per Piece (excluding packing)	605.0 GRM
Custom tariff number	85444290
Country of origin	Poland

Technical data

Dimensions

Length of cable	10 m
Stripping length of the free conductor end	50 mm

Ambient conditions

Degree of protection	IP65
	IP67

General

Rated current at 40°C	4 A
Rated voltage	60 V
Number of positions	5
Contact resistance	≤ 5 Ω
Coding	A - standard
Surge voltage category	II
Pollution degree	3
Insertion/withdrawal cycles	≥ 100

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Technical data

Material

Inflammability class according to UL 94	HB
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	TPU GF
Material of grip body	TPU, hardly inflammable, self-extinguishing
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	NBR

Cable

Cable type	PUR/PVC shielded, black
Cable type (abbreviation)	350
Cable abbreviation	LiYYV1CY11Y
Conductor cross section	0.34 mm ²
AWG signal line	22
Conductor structure signal line	42x 0.10 mm
Core diameter including insulation	1.52 mm ±0.02 mm
Thickness, insulation	≥ 0.23 mm (Core insulation)
	≥ 0.38 mm (Outer cable sheath)
Wire colors	Brown, white, blue, black, gray
Overall twist	5 wires around filler to the core
Shielding	Tinned copper braided shield
Optical shield covering	85 %
External sheath, color	Black-gray RAL 7021
External cable diameter	5.90 mm
Smallest bending radius, fixed installation	60 mm
Smallest bending radius, movable installation	60 mm
Number of bending cycles	2000000
Bending radius	60 mm
Traversing path	5 m
Traversing rate	3 m/s
Cable weight	55 kg/km
Outer sheath, material	PUR
Material, inner sheath	PVC
Material, filler	PVC
Material conductor insulation	PVC
Conductor material	Bare Cu litz wires
Insulation resistance	≥ 100 MΩ*km
Conductor resistance	≤ 57.3 Ω/km

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Technical data

Cable

Nominal voltage, cable	300 V
Test voltage, cable	3000 V
Ambient temperature (operation)	-25 °C ... 80 °C (cable, fixed installation)
	-5 °C ... 80 °C (cable, flexible installation)

Classifications

eCl@ss

eCl@ss 4.0	27060306
eCl@ss 4.1	27060306
eCl@ss 5.0	27061801
eCl@ss 5.1	27061801
eCl@ss 6.0	27061801
eCl@ss 7.0	27061801
eCl@ss 8.0	27061801

ETIM

ETIM 2.0	EC000830
ETIM 3.0	EC001855
ETIM 4.0	EC001855
ETIM 5.0	EC001855

UNSPSC

UNSPSC 6.01	31251501
UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	31251501

Approvals

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UL Listed / cUL Listed / cULus Listed

Ex Approvals

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Approvals

Approvals submitted

Approval details

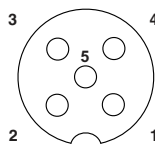
UL Listed	
Nominal current I _N	4 A
Nominal voltage U _N	125 V

cUL Listed	
Nominal current I _N	4 A
Nominal voltage U _N	125 V

cULus Listed	
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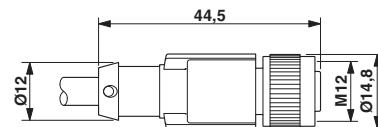
Drawings

Schematic diagram



Pin assignment M12 socket, 5-pos.

Dimensioned drawing



M12 x 1 socket, straight, shielded

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Circuit diagram



Contact assignment of the M12 plug and the M12 socket