

Sensor/Actuator cable - SAC-8P-MS/0,46-505 SH SCO - 1531345

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Sensor/Actuator cable, 8-position, PVC, Black RAL 9005, shielded, Plug straight M12 SPEEDCON, A-coded, on Free cable end, Cable length: 0.46 m



Key commercial data

Packing unit	1 1
Minimum order quantity	5 1
Weight per Piece (excluding packing)	54.56 GRM
Custom tariff number	85444290
Country of origin	Poland

Technical data

Dimensions

Length of cable	0.46 m
Stripping length of the free conductor end	50 mm

Ambient conditions

Degree of protection	IP65
	IP67

General

Rated current at 40°C	2 A
Rated voltage	30 V
Number of positions	8
Contact resistance	≤ 5 mΩ
Insulation resistance	≥ 100 MΩ
Coding	A - standard
Status display	No
Surge voltage category	II
Pollution degree	3

Material

Inflammability class according to UL 94	HB
Contact material	CuZn

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Technical data

Material

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

Cable

Cable type	PVC black
Cable type (abbreviation)	PVC
Cable abbreviation	LiYF-C-Y
Conductor cross section	0.25 mm ² (signal line)
AWG signal line	24
Conductor structure signal line	32x 0.10 mm
Core diameter including insulation	1.5 mm ±0.05 mm (signal line)
Thickness, insulation	≥ 0.38 mm (Conductor insulation, signal line)
	≥ 0.76 mm (Outer cable sheath)
Wire colors	white, brown, green, yellow, gray, pink, blue, red
Overall twist	8 wires around filler to the core, twisted in with additional Cu litz in the wire outer godet
Shielding	Tinned copper braided shield
Optical shield covering	85 %
External sheath, color	Black RAL 9005
External cable diameter D	7.7 mm ± 0.2 mm
Cable weight	85 kg/km
Outer sheath, material	PVC
Material, filler	PVC
Material conductor insulation	PVC
Conductor material	Bare Cu litz wires
Insulation resistance	≥ 10 GΩ*km
Conductor resistance	≤ 78 Ω/km
Nominal voltage, cable	300 V
Test voltage, cable	3000 V

Classifications

eCl@ss

eCl@ss 4.0	27060306
eCl@ss 4.1	27060306
eCl@ss 5.0	27061801

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Classifications

eCl@ss

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

Approvals

Approvals

UL Listed / cUL Listed / cULus Listed

Ex Approvals

Approvals submitted

Approval details

UL Listed	
Nominal current IN	2 A

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Approvals

Nominal voltage UN	30 V
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cUL Listed	
Nominal current IN	2 A
Nominal voltage UN	30 V

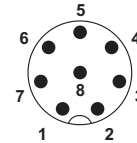
cULus Listed	
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Drawings

Circuit diagram

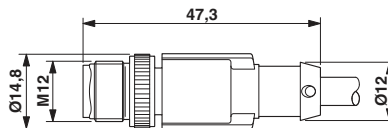
Contact assignment of the M12 plug

Schematic diagram



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

Dimensioned drawing



Plug, M12 x 1, straight, shielded