Sensor/Actuator cable - SAC-5P- 0,3-PUR/M12FS SH - 1531073

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (http://download.phoenixcontact.com)



Sensor/Actuator cable, 5-position, PUR halogen-free, Black-gray RAL 7021, shielded, Free cable end, on Socket straight M12, A-coded, Cable length: 0.3 m

Key commercial data

Packing unit	1 PCE
Minimum order quantity	50 PCE
GTIN	4 017918 990558
Custom tariff number	85444290
Country of origin	POLAND

Technical data

General data

Rated current at 40°C	4 A
Rated voltage	60 V
Number of positions	5
Volume resistance	≤ 5 mΩ
Insulation resistance	≥ 100 MΩ
Length of cable	0.3 m
Stripping length of the free conductor end	50 mm

General characteristics

Coding	A - standard
Surge voltage category	II
Pollution degree	3
Degree of protection	IP65/IP67/IP69K
Insertion/withdrawal cycles	≥ 100

Sensor/Actuator cable - SAC-5P- 0,3-PUR/M12FS SH - 1531073

Technical data

General characteristics

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
Status display	No

Conductor data

Cable type	PUR halogen-free black shielded
Cable abbreviation	Li9Y-V1-C-V1-11Y
Conductor cross section	0.34 mm²
AWG signal line	22
Conductor structure signal line	42x 0.10 mm
Core diameter including insulation	1.27 mm ±0.02 mm
Thickness, insulation	approx. 0.21 mm (Core insulation)
Thickness, insulation	approx. 0.8 mm (Outer cable sheath)
Wire colors	Brown, white, blue, black, gray
Overall twist	5 wires around filler to the core
Shielding	Braided copper wires
Optical shield covering	85 %
External sheath, color	Black-gray RAL 7021
External cable diameter	5.90 mm
Smallest bending radius, fixed installation	59 mm
Smallest bending radius, movable installation	59 mm
Number of bending cycles	4000000
Bending radius	59 mm
Traversing path	10 m
Traversing rate	3 m/s
Acceleration	10 m/s²
Cable weight	48 kg/km
Outer sheath, material	PUR
Material, filler	PE
Material conductor insulation	PP
Conductor material	Bare Cu litz wires
Insulation resistance	≥ 100 GΩ*km
Conductor resistance	max. 58 Ω/km
Nominal voltage, conductor	300 V

Sensor/Actuator cable - SAC-5P- 0,3-PUR/M12FS SH - 1531073

Technical data

Conductor data

Test voltage, conductor	3000 V

Classifications

ETIM

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

UNSPSC

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

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

Approvals

Approvals

Approvals

UL Listed / cUL Listed / cULus Listed

Ex Approvals

Approvals submitted

Sensor/Actuator cable - SAC-5P- 0,3-PUR/M12FS SH - 1531073

Approvals

Approval details

UL Listed

Nominal current IN	4 A
Nominal voltage UN	125 V

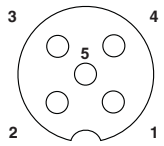
cUL Listed

Nominal current IN	4 A
Nominal voltage UN	125 V

cULus Listed

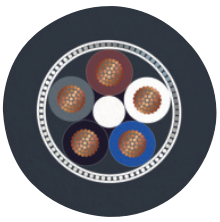
Drawings

Schematic diagram



Pin assignment M12 socket, 5-pos., A-coded, socket side view

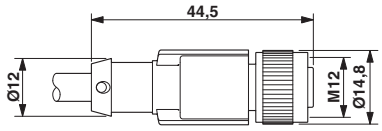
Cable cross section



PUR halogen-free black shielded [PUR]

Sensor/Actuator cable - SAC-5P- 0,3-PUR/M12FS SH - 1531073

Dimensioned drawing



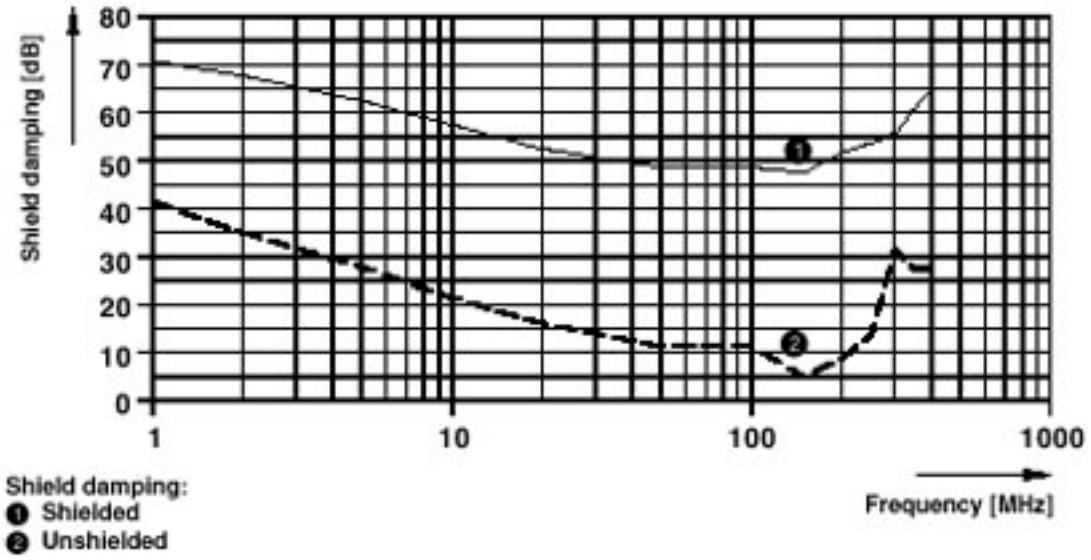
Circuit diagram



M12 x 1 socket, straight, shielded

Contact assignment of the M12 socket

Diagram



© Phoenix Contact 2013 - all rights reserved
http://www.phoenixcontact.com