


Sensor/actuator cable - SAC-2P-M12Y/2X 0,3-120/M12FSSH - 1510735

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Sensor/actuator cable, 2-position, PUR/PVC, green RAL 6018, Plug straight M12, A-coded, on Socket straight M12, A-coded, cable length: 0.3 m

Key Commercial Data

Packing unit	1
GTIN	 4 017918 903619
GTIN	4017918903619
Custom tariff number	85444290

Technical data

Dimensions

Length of cable	0.3 m
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Ambient conditions

Degree of protection	IP65
	IP67

General

Rated current at 40°C	4 A
Rated voltage	48 V AC
	60 V DC
Number of positions	2
Insulation resistance	≥ 10 GΩ
Coding	A - standard
Status display	No
Overvoltage category	II
Degree of pollution	3
Insertion/withdrawal cycles	≥ 100

Material

Flammability rating according to UL 94	HB
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	TPU GF

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Technical data

Material

Material of grip body	TPU, hardly inflammable, self-extinguishing
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	NBR

Standards and Regulations

Flammability rating according to UL 94	HB
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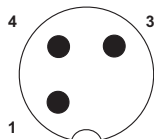
Cable

Cable type	PUR/PVC shielded, green
Cable type (abbreviation)	120
Cable abbreviation	LiFYWCYW11Y-OB
Conductor cross section	0.34 mm ²
AWG signal line	22
Conductor structure signal line	43x 0.10 mm
Core diameter including insulation	1.32 mm ±0.02 mm
Thickness, insulation	≥ 0.3 mm (Core insulation)
	≥ 0.38 mm (Outer cable sheath)
Wire colors	brown, blue, black
Overall twist	3 twisted wires with longitudinally banded polyester foil
Shielding	Tinned copper braided shield
Optical shield covering	85 %
External sheath, color	green RAL 6018
External cable diameter	5.20 mm
Cable weight	39 kg/km
Outer sheath, material	PUR
Material, inner sheath	PVC
Material conductor insulation	PVC
Conductor material	Bare Cu litz wires
Insulation resistance	≥ 1 MΩ*km
Conductor resistance	≤ 58 Ω/km
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)

Drawings

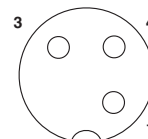
Sensor/actuator cable - SAC-2P-M12Y/2X 0,3-120/M12FSSH - 1510735

Schematic diagram



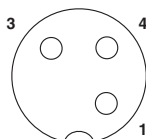
Pin assignment M12 plug, 3-pos., A-coded, view male side

Schematic diagram



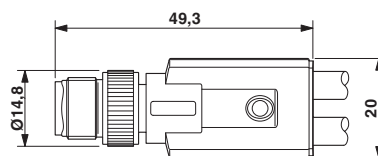
Pin assignment M12 socket, 3-pos., A-coded, view female side

Schematic diagram



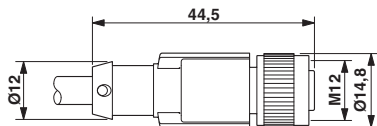
Pin assignment M12 socket, 3-pos., A-coded, view female side

Dimensional drawing



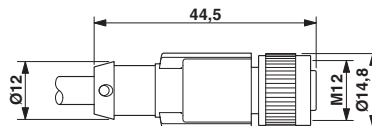
Plug M12 x 1, Y distributor

Dimensional drawing



M12 x 1 socket, straight, shielded

Dimensional drawing



M12 x 1 socket, straight, shielded

Classifications

eCl@ss

eCl@ss 4.0	27060306
eCl@ss 4.1	27060306
eCl@ss 5.0	27061801
eCl@ss 5.1	27061800
eCl@ss 6.0	27279200
eCl@ss 7.0	27279218
eCl@ss 8.0	27279218
eCl@ss 9.0	27060311

ETIM

ETIM 2.0	EC000830
ETIM 3.0	EC001855

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Classifications

ETIM

ETIM 4.0	EC001855
ETIM 5.0	EC001855
ETIM 6.0	EC001855

UNSPSC

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