

Sensor/Actuator cable - SAC-3P-M12MS/ 0,6-170/M 8FS - 1538403

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Sensor/Actuator cable, 3-position, PUR halogen-free, Black-gray RAL 7021, Plug straight M12, A-coded, on Socket straight M8, Cable length: 0.6 m

Key commercial data

package_quantity	1
GTIN	4046356075343

Technical data

Dimensions

Length of cable	0.6 m
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Ambient conditions

Degree of protection	IP65
Degree of protection	IP67
Degree of protection	IP68

General

Rated current at 40°C	4 A
Rated voltage	60 V
Number of positions	3
Contact resistance	≤ 5 mΩ
Insulation resistance	≥ 100 MΩ
Coding	A - standard
Status display	No
Surge voltage category	II
Pollution degree	3
Insertion/withdrawal cycles	≥ 100

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

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Technical data

Material

Sealing material	NBR
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Cable

Cable type	PUR halogen-free black
Cable abbreviation	Li9Y11Y-HF
Conductor cross section	0.25 mm ²
AWG signal line	24
Conductor structure signal line	32x 0.10 mm
Core diameter including insulation	1.15 mm ±0.05 mm
Thickness, insulation	≥ 0.38 mm (Core insulation)
Wire colors	brown, blue, black
Overall twist	3 wires, twisted
External sheath, color	Black-gray RAL 7021
External cable diameter	4.40 mm
Smallest bending radius, movable installation	44 mm
Number of bending cycles	4000000
Bending radius	44 mm
Traversing path	10 m
Traversing rate	3 m/s
Cable weight	23 kg/km
Outer sheath, material	PUR
Material conductor insulation	PP
Conductor material	Bare Cu litz wires
Insulation resistance	≥ 100 GΩ*km
Conductor resistance	≤ 77.6 Ω/m
Nominal voltage, cable	300 V
Test voltage, cable	4000 V

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

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classifications

ETIM

ETIM 5.0	EC001855
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UNSPSC

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

approvals

UL Listed / cUL Listed / cULus Listed /

Approval details

UL Listed 	
Nominal voltage UN	125 V
Nominal current IN	4 A
mm²/AWG/kcmil	

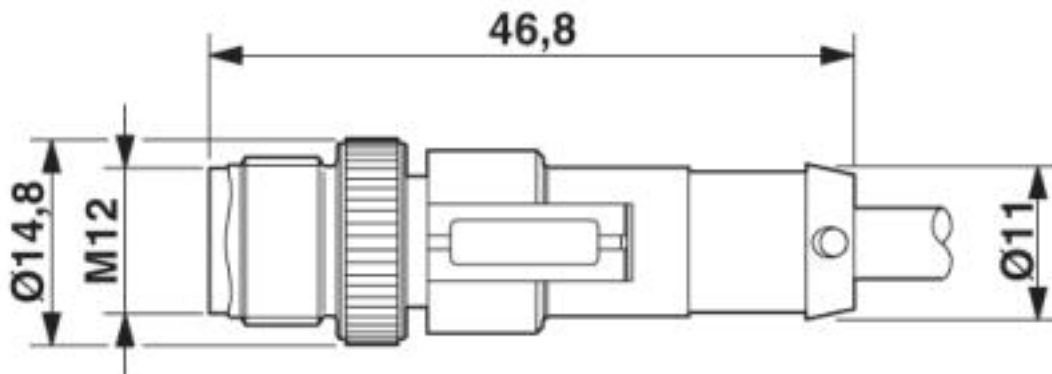
cUL Listed 	
Nominal voltage UN	125 V
Nominal current IN	4 A
mm²/AWG/kcmil	

cULus Listed 	
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Drawings

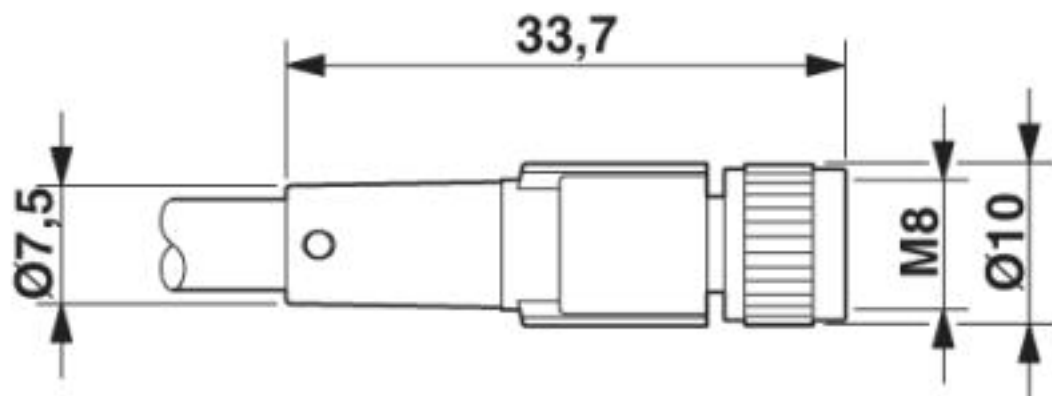
Sensor/Actuator cable - SAC-3P-M12MS/ 0,6-170/M 8FS - 1538403

Dimensioned drawing



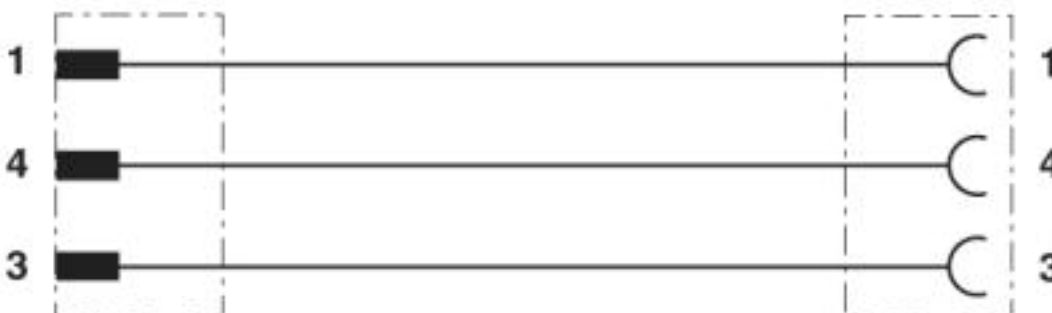
M12 x 1 plug, straight

Dimensioned drawing



Socket M8 x 1, straight

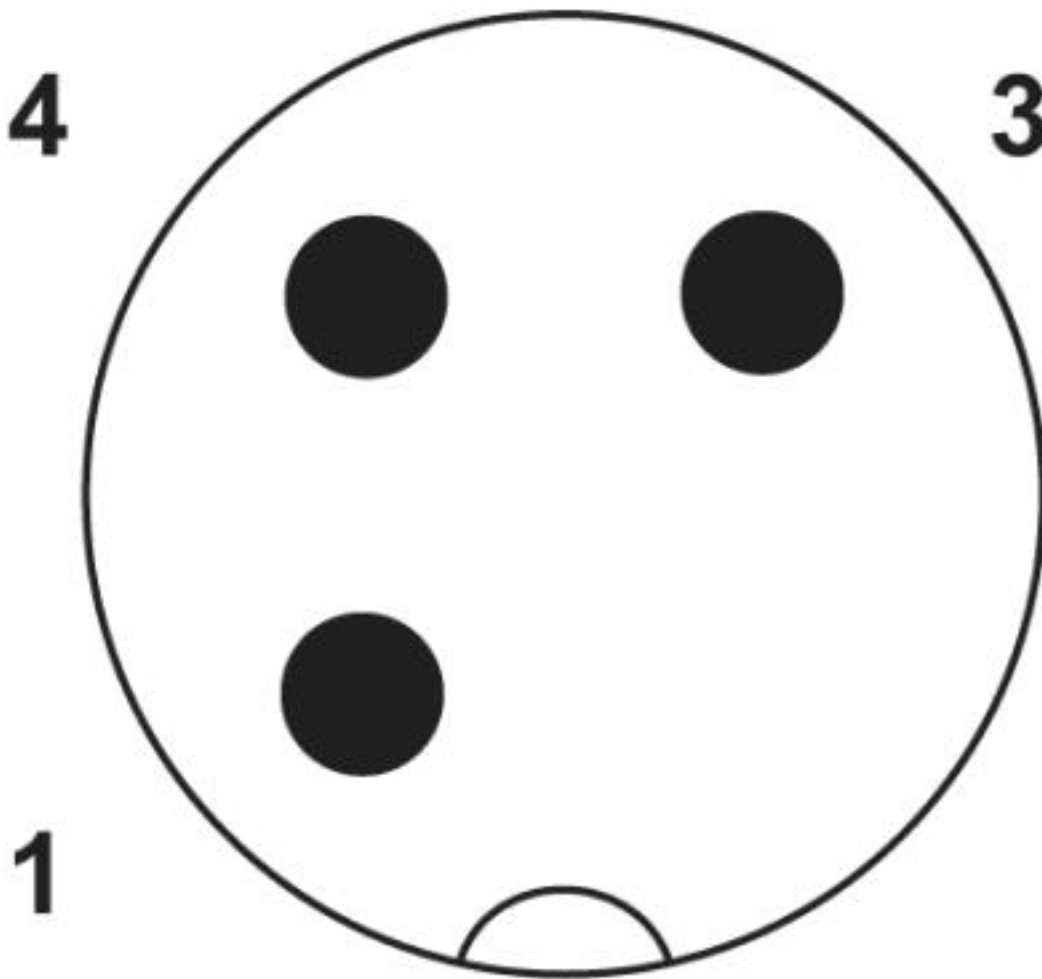
Circuit diagram



Contact assignment of M12 connector/socket

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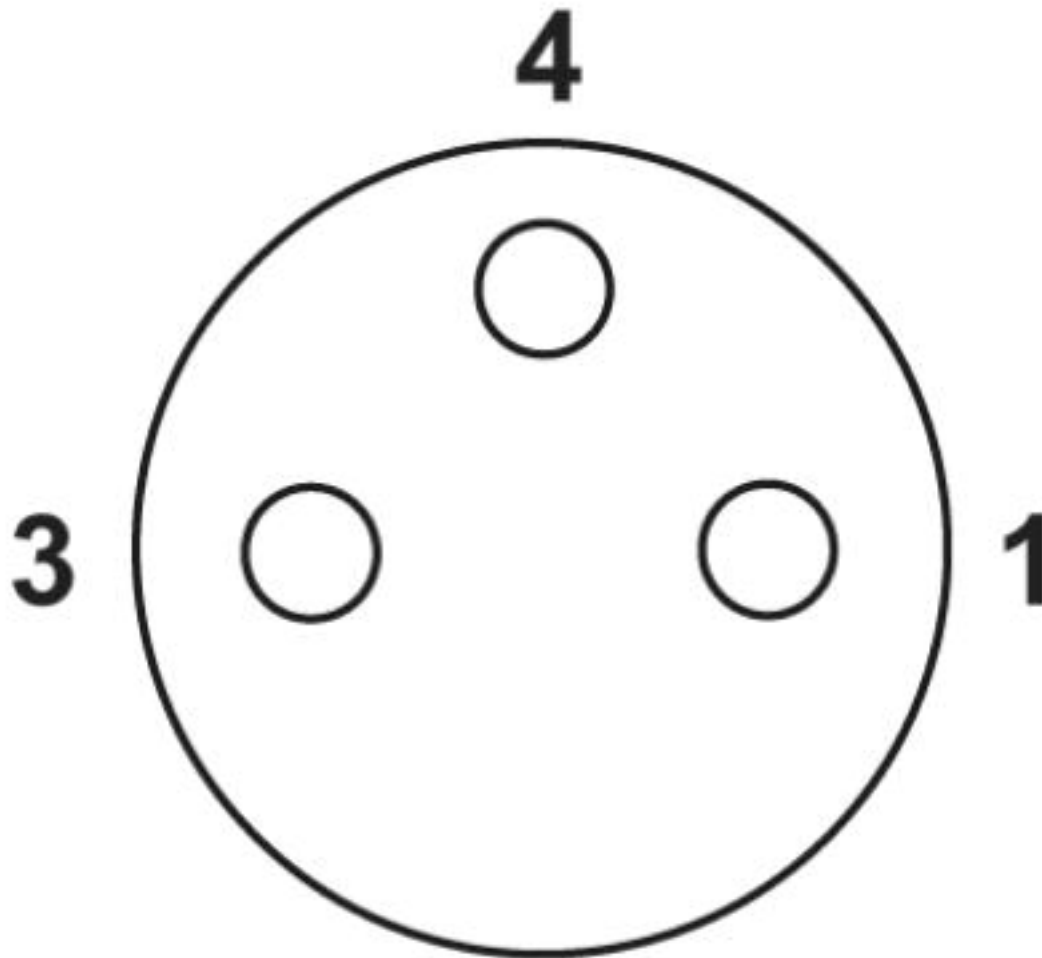
Schematic diagram



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

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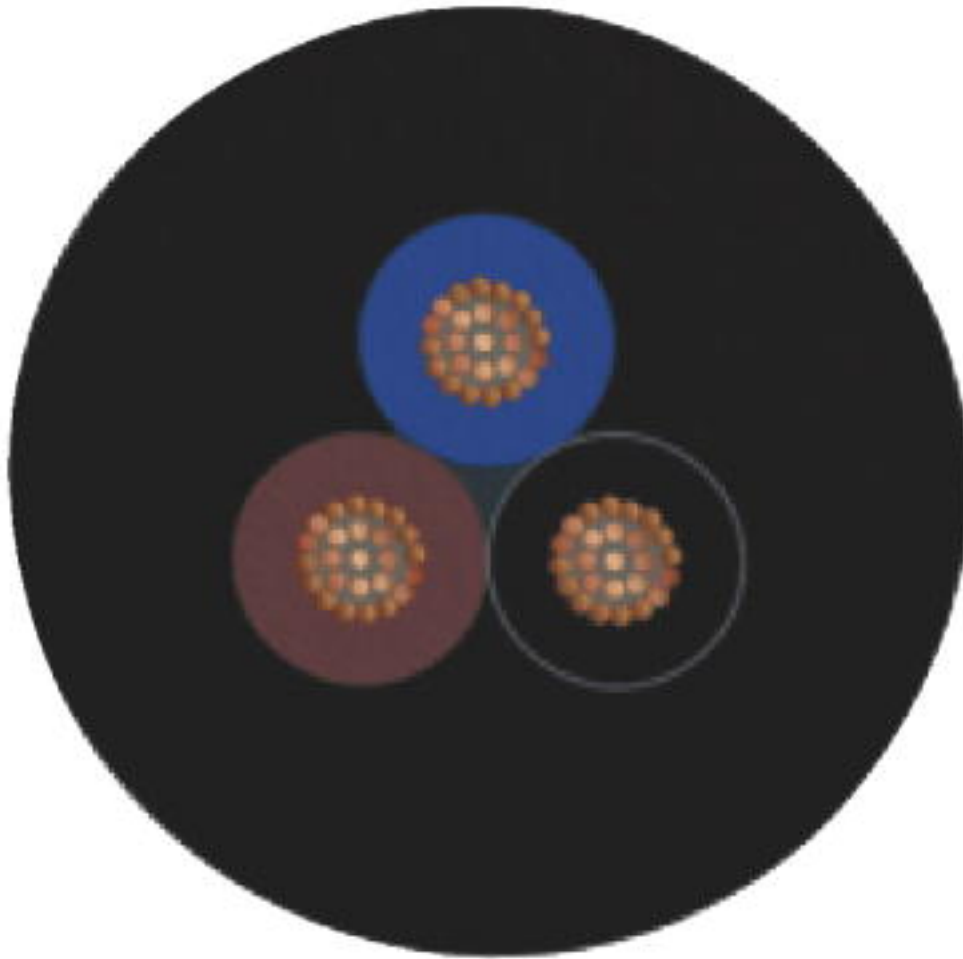
Schematic diagram



Pin assignment M8 socket, 3-pos., view female side

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Cable cross section



PUR halogen-free black [PUR]

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