

Sensor/Actuator cable - SAC-5P-M12MS/5,0-150/M12FR-3L - 1560413

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Sensor/Actuator cable, 5-position, PUR halogen-free, Irradiated, orange RAL 2003, Plug straight M12, A-coded, on Socket angled M12, A-coded, with 3 LEDs, Cable length: 5 m



Key Commercial Data

Packing unit	1 STK
Minimum order quantity	5 STK
Custom tariff number	85444290
Country of origin	Poland

Technical data

Dimensions

Length of cable	5 m
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Ambient conditions

Degree of protection	IP65
	IP67
	IP68

General

Rated current at 40°C	4 A
Rated voltage	24 V
Number of positions	5
Insulation resistance	≥ 100 MΩ
Coding	A - standard
Status display	3 LEDs
Overvoltage category	II

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Technical data

General

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
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 irradiated halogen-free orange
Cable type (abbreviation)	151
Cable abbreviation	D12YSL11X-JB
Conductor cross section	0.34 mm ²
AWG signal line	22
Conductor structure signal line	42x 0.10 mm
Core diameter including insulation	1.05 mm ±0.05 mm
Wire colors	brown, white, blue, black, green-yellow
Overall twist	5 cores, twisted
External sheath, color	orange RAL 2003
External cable diameter D	5.9 mm ±0.2 mm
Smallest bending radius, fixed installation	min. 25 mm
Smallest bending radius, movable installation	min. 40 mm
Number of bending cycles	5000000
Bending radius	59 mm
Traversing path	10 m
Traversing rate	3 m/s
Outer sheath, material	PUR
Material conductor insulation	PE
Conductor material	Bare Cu litz wires
Conductor resistance	≤ 57 Ω/km
Nominal voltage, cable	250 V (AC)
Test voltage, cable	2000 V (50 Hz, 5 minutes)

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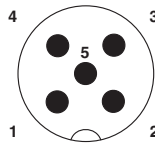
Technical data

Cable

Ambient temperature (operation)	-50 °C ... 105 °C (cable, fixed installation)
	-40 °C ... 105 °C (cable, flexible installation)

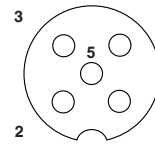
Drawings

Schematic diagram



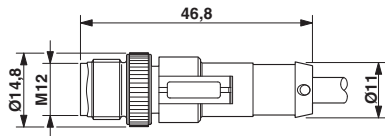
Pin assignment M12 male connector, 5-pos., A-coded, male side

Schematic diagram



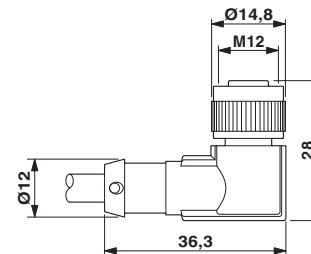
Pin assignment M12 socket, 5-pos., A-coded, socket side view

Dimensional drawing



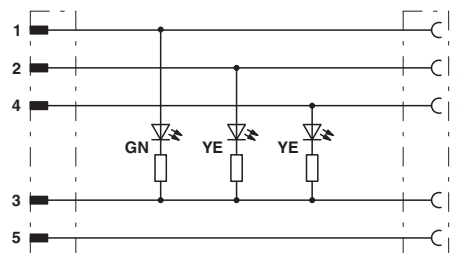
M12 x 1 plug, straight

Dimensional drawing



Socket M12 x 1, angled, with LED

Circuit diagram



Contact assignment of M12 plugs / sockets with 3 LEDs

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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	27279218
eCl@ss 9.0	27060311

ETIM

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

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Approvals

UL Listed 	
Nominal current IN	4 A
Nominal voltage UN	24 V

cUL Listed 	
Nominal current IN	4 A
Nominal voltage UN	24 V

cULus Listed 	
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