

Sensor/Actuator cable - SAC-3P-M12MS/ 5,0-150/ M12FR-2L - 1546615

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Sensor/Actuator cable, 3-position, PUR, orange RAL 2003, Plug straight M12, A-coded, on Socket angled M12, A-coded, with 2 LEDs, Cable length: 5 m

As shown in the illustration but
with an orange conductor

Key commercial data

package_quantity	1
GTIN	4046356128742

Technical data

Dimensions

Length of cable	5 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	24 V
Number of positions	3
Contact resistance	≤ 5 mΩ
Insulation resistance	≥ 100 MΩ
Coding	A - standard
Status display	2 LEDs
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

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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

Cable

Cable type	PUR irradiated halogen-free orange
Cable abbreviation	D12YSL11X-OB
Conductor cross section	0.34 mm ²
AWG signal line	22
Conductor structure signal line	42x 0.10 mm
Wire colors	brown, blue, black
Overall twist	3 wires, twisted
External sheath, color	orange RAL 2003
External cable diameter	4.40 mm
Smallest bending radius, fixed installation	min. 20 mm
Smallest bending radius, movable installation	min. 30 mm
Number of bending cycles	5000000
Bending radius	44 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	max. 57 Ω/km
Nominal voltage, cable	250 V
Test voltage, cable	2000 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 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	24 V
Nominal current IN	4 A
mm²/AWG/kcmil	

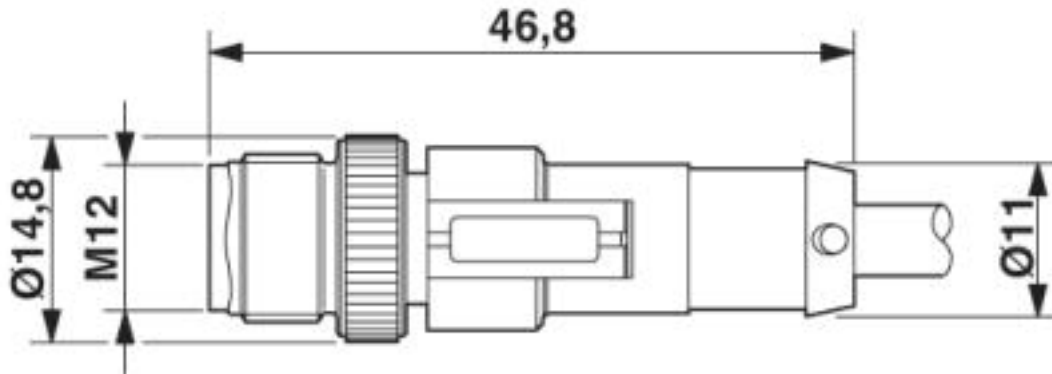
cUL Listed 	
Nominal voltage UN	24 V
Nominal current IN	4 A
mm²/AWG/kcmil	

cULus Listed 	
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Drawings

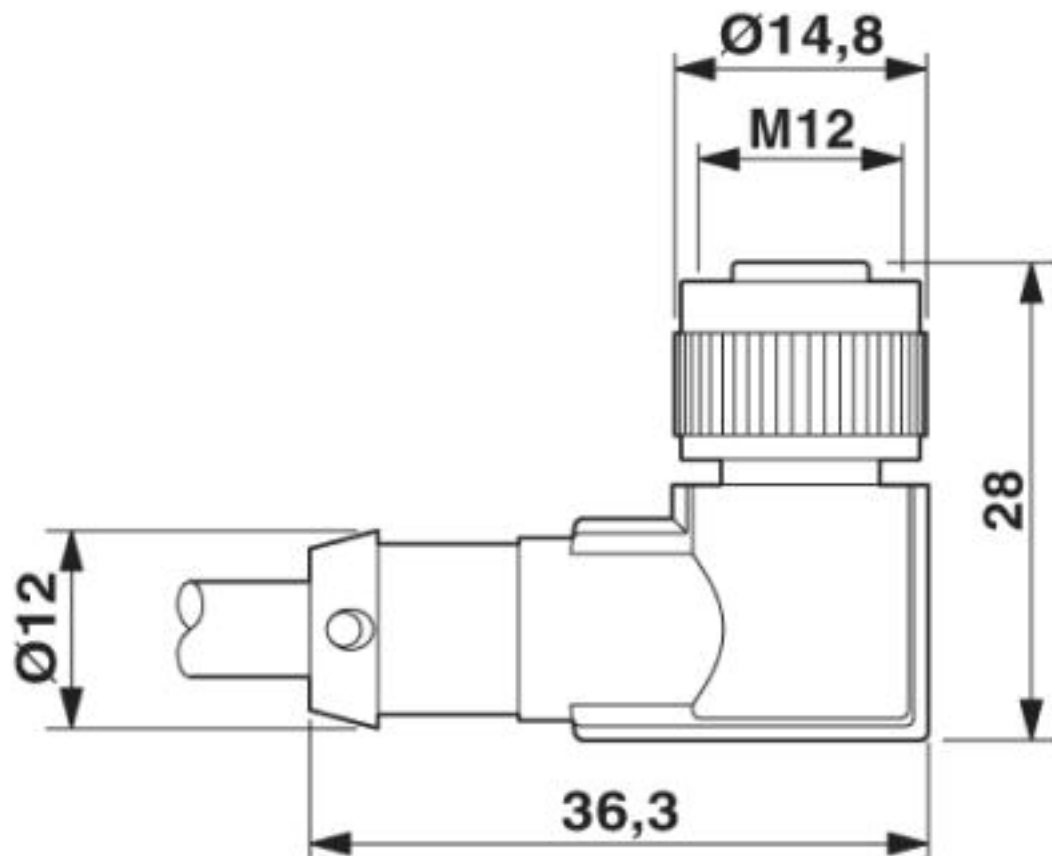
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Dimensioned drawing



M12 x 1 plug, straight

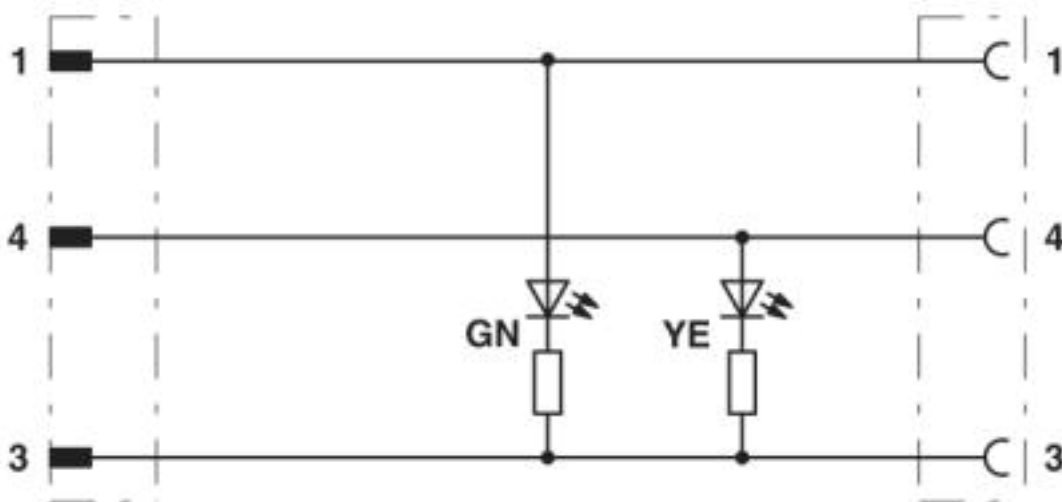
Dimensioned drawing



Socket M12 x 1, angled, with LED

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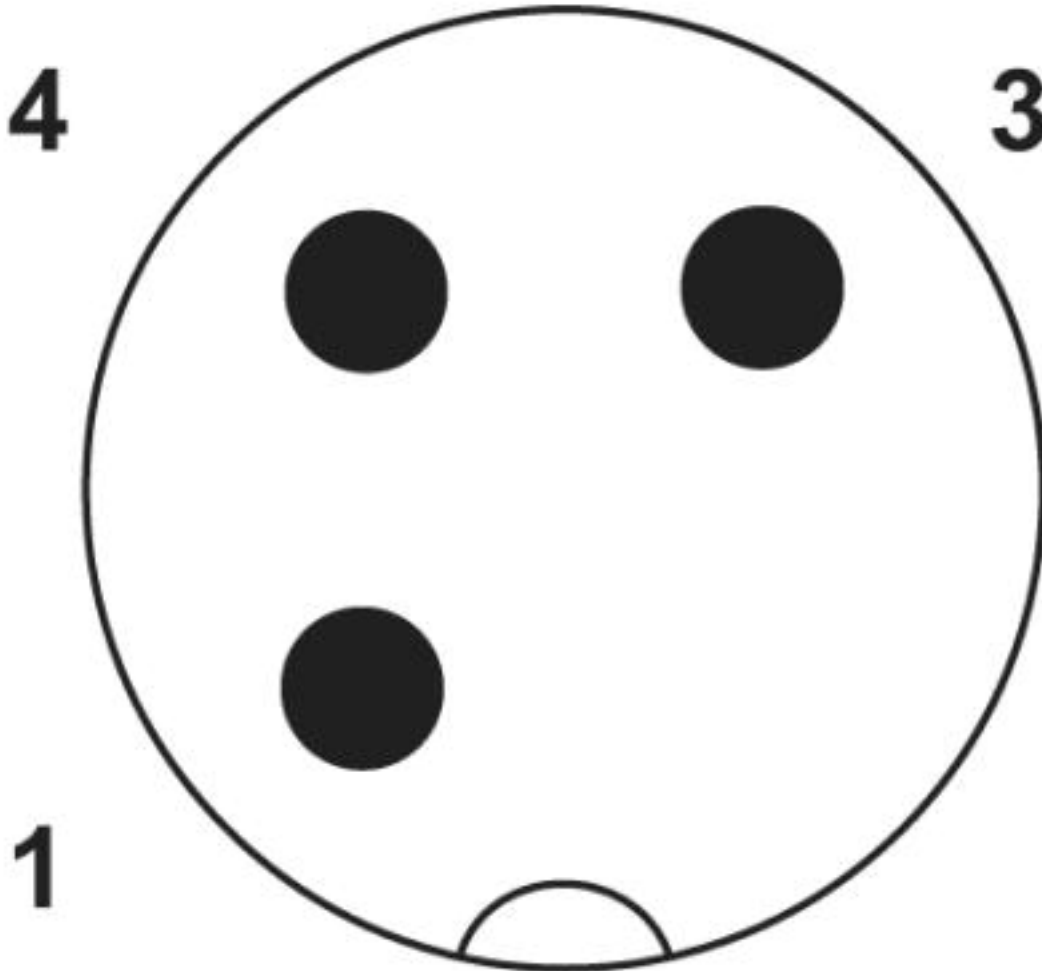
Circuit diagram



Contact assignment of M12 plugs / sockets with 3 LEDs

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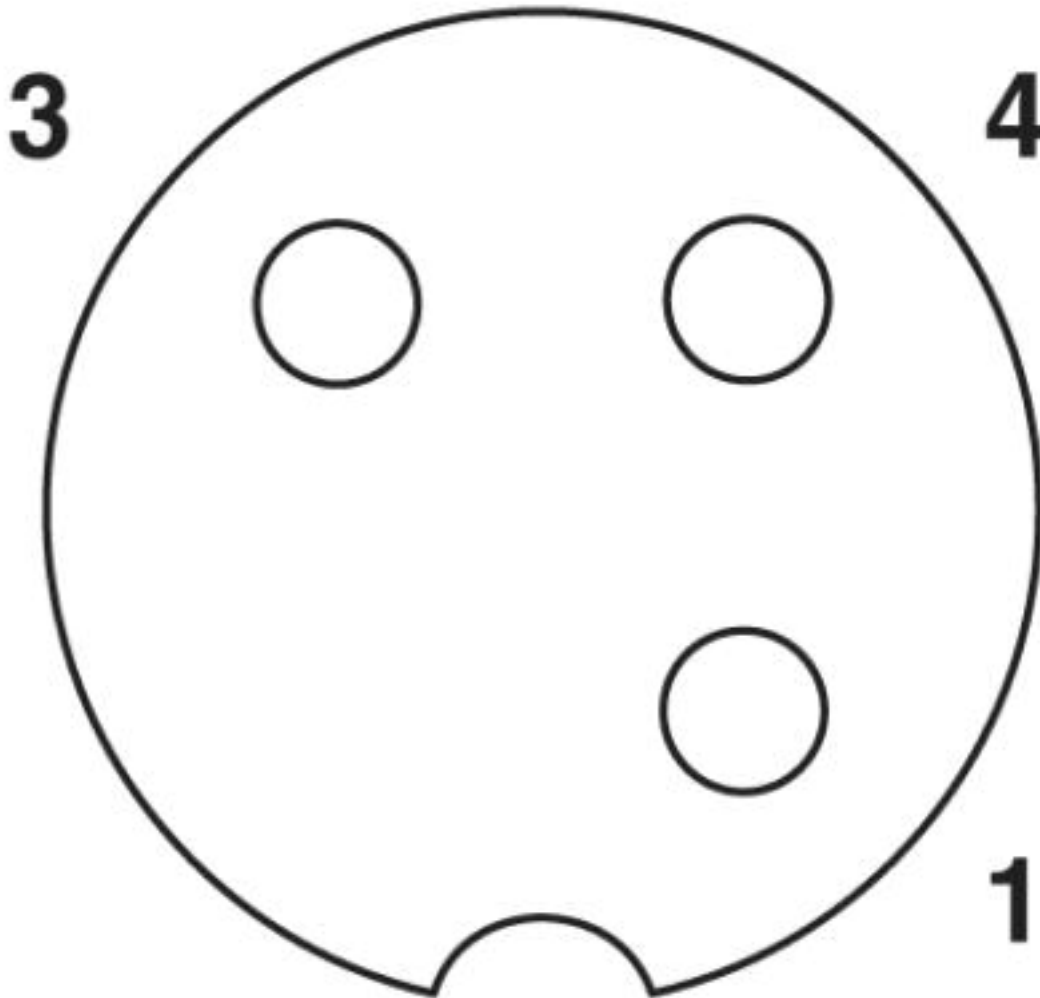
Schematic diagram



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

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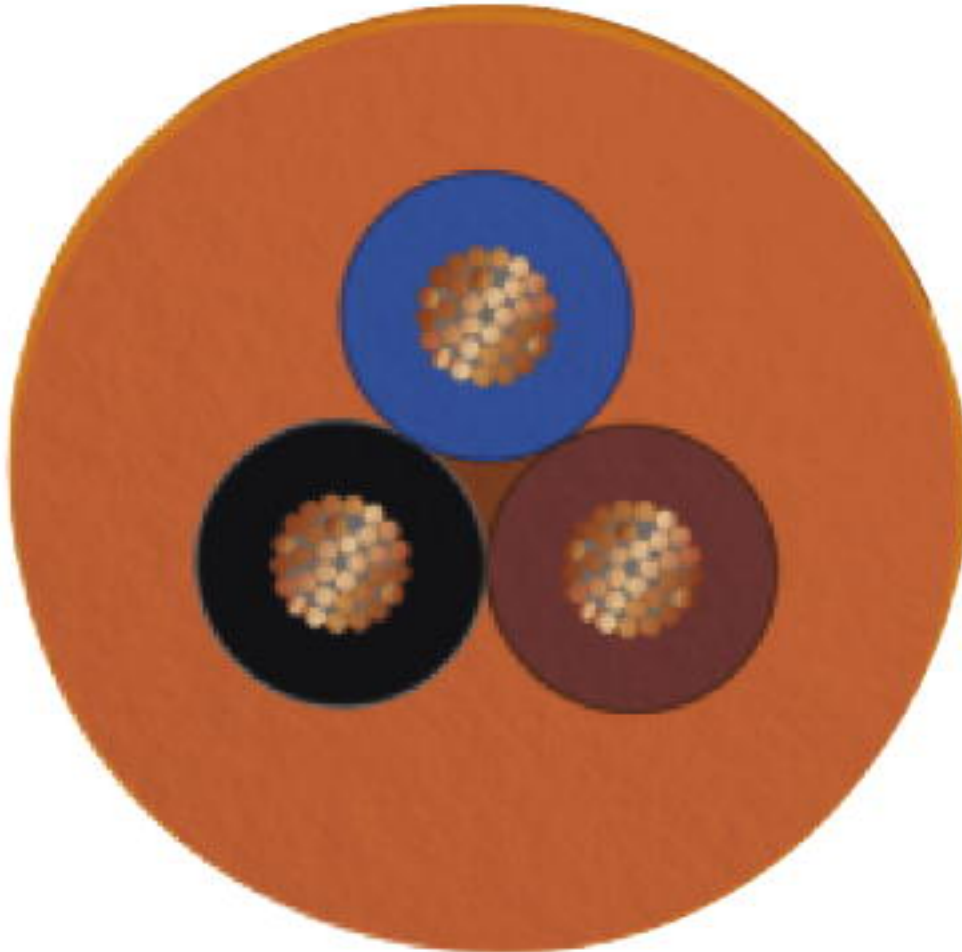
Schematic diagram



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

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Cable cross section



PUR irradiated halogen-free orange [150]

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