

Master cable - SAC-6P- 5,0-PURMC/M12FR - 1407820

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M12 socket, angled, 6-pos., with connected master cable, for sensor/actuator box with M8 slots, cable length: 5 m



Key Commercial Data

Packing unit	1 STK
GTIN	
GTIN	4046356857482

Technical data

Ambient conditions

Ambient temperature (operation)	-25 °C ... 80 °C (Plug / socket)
Degree of protection	IP65
	IP67
	IP68

General

Rated voltage	30 V
Number of positions	6
Coding	A - standard
Standards/regulations	M12 connector IEC 61076-2-101
Connection method	Fixed connection
Torque	0.4 Nm (M12 connector)

Material

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

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Connection assignment

Slot/position = pin = conductor color	1 / 4 (A) = P = WH
	2 / 4 (A) = J = GN
	3 / 4 (A) = T = YE
	4 / 4 (A) = S = GY
	1-4 / 1 (+ 24 V) = A = BN
	1-4 / 3 (0 V) = L = BU

Standards and Regulations

Standard designation	M12 connector
Standards/regulations	IEC 61076-2-101
Flammability rating according to UL 94	HB

Cable

Cable type	PUR/PVC black
Cable type (abbreviation)	PUR MC
Cable abbreviation	LiYY-11Y
UL AWM style	20549
Conductor cross section	6x 0.25 mm ² (Signal line)
AWG signal line	24
Conductor structure signal line	32x 0.10 mm
Core diameter including insulation	1.22 mm ±0.02 mm
Thickness, insulation	≥ 0.23 mm (Core insulation)
Wire colors	white, brown, green, yellow, gray, blue
Overall twist	Six cores around the filler to the core
Length of twist, overall twist	66 mm
External sheath, color	black-gray RAL 7021
Outer sheath thickness	≥ 0.38 mm
External cable diameter D	5 mm ±0.02 mm
Minimum bending radius, fixed installation	5 x D
Minimum bending radius, flexible installation	10 x D
Cable weight	37 kg/km
Outer sheath, material	PUR
Material, inner sheath	PVC
Material, filler	PP yarn
Material conductor insulation	PVC
Conductor material	Bare Cu litz wires
Insulation resistance	≥ 200 MΩ*km (at 20 °C)
Conductor resistance	78 Ω/km (at 20 °C)
Nominal voltage, cable	≤ 300 V AC
Test voltage, cable	≥ 3000 V AC (Spark test)
Special properties	Flexible use, however not recommended for use in drag chains
	Low adhesion surface

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Cable

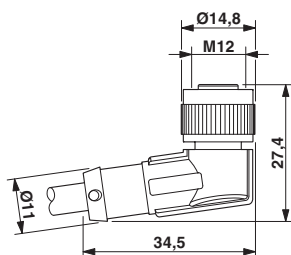
	wear-resistant and notch tough
Flame resistance	according to UL 758/1581 (horizontal)
	in accordance with UL 758/1581 FT2
Resistance to oil	According to DIN EN 60811-2-1, 168 h at 100°C
Other resistance	hydrolysis and microbe resistant
	Resistant to salt water
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)
	-20 °C ... 80 °C (cable, flexible installation)

Environmental Product Compliance

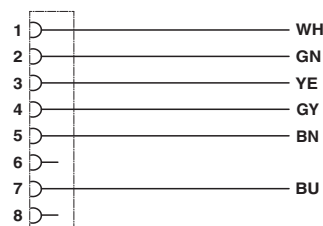
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Dimensional drawing



Circuit diagram



M12 x 1 socket, angled

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