

SAC-5P- 5,0-115/M12FR

Order No.: 1505300



Sensor/Actuator cable, 5-position, PUR, halogen-free, Black-gray RAL 7021, Free conductor end, on Socket, angled M12, A-coded, Cable length: 5 m

Commercial data

EAN	 4 017918 858001
Pack	1
Customs tariff	85444290

Product notes

WEEE/RoHS-compliant since:
2005-06-01



Technical data

General data

Rated current at 40°C	4 A
Rated voltage	60 V
Number of positions	5
Volume resistance	$\leq 5 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$
Length of cable	5 m

Stripping length of the free conductor end	50 mm
Ambient temperature (operation)	-25 °C ... 90 °C (Male connector / female connector)

General characteristics

Coding	A - standard
Surge voltage category	II
Pollution degree	3
Degree of protection	IP65/IP68/IP69K
Insertion/withdrawal cycles	≥ 100
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
Status display	No

Conductor data

Cable type	PUR halogen-free black
Cable type (abbreviation)	115
Cable abbreviation	Li9Y11Y-HF
Conductor cross section	0.34 mm ²
AWG signal line	22
Conductor structure signal line	42x 0.10 mm
Core diameter including insulation	1.27 mm ±0.02 mm
Thickness, insulation	Approx. 0.21 mm (Core insulation)
	Approx. 0.7 mm (Outer cable sheath)
External cable diameter	5 mm ±0.15 mm
Wire colors	Brown, white, blue, black, gray
External sheath, color	Black-gray RAL 7021
Insulation resistance	≥ 100 GΩ*km
Conductor resistance	≤ 58 Ω/km
Nominal voltage, conductor	≤ 300 V
Test voltage, conductor	≥ 3000 V
Overall twist	5 cores, twisted
Outer sheath, material	PUR

Material, filler	PP
Material conductor insulation	PP
Conductor material	Bare Cu litz wires
Cable weight	35 kg/km
Number of bending cycles	4000000
Bending radius	50 mm
Traversing path	10 m
Traversing rate	3 m/s
Acceleration	10 m/s ²
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation) -5 °C ... 80 °C (cable, flexible installation)
Flame resistance	in accordance with DIN UL-Style 20549
Halogen-free	in accordance with DIN VDE 0472 part 815

Certificates

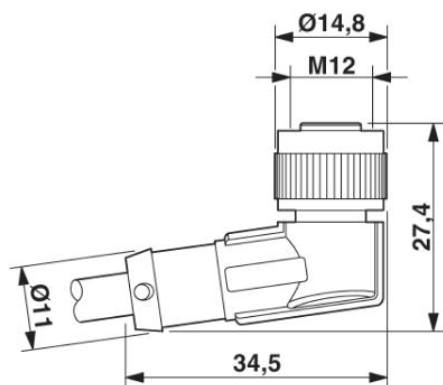


Certification

CUL Listed, UL Listed

Drawings

Dimensioned drawing



M12 x 1 female connector, angled

Schematic diagram

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

