

SAC-8P- 5,0-PUR/M12FR BK

Order No.: 1563892

Sensor/Actuator cable, 8-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 046356 304221 
Note	Made-to-order
Pack	5
Customs tariff	85444290

Product notes

WEEE/RoHS-compliant since:
2007-07-18



Technical data

General data

Rated current at 40°C	2 A
Rated voltage	30 V
Number of positions	8
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

General characteristics

Coding	A - standard
--------	--------------

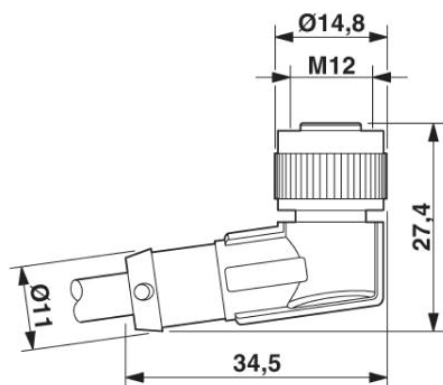
Surge voltage category	II
Pollution degree	3
Degree of protection	IP65/IP68/IP69K
Insertion/withdrawal cycles	≥ 100
Contact material	CuZn
Contact surface material	Ni/Au
Contact carrier material	TPU GF
Material of grip body	TPU, hardly inflammable, self-extinguishing
Material, knurls	Zinc die-cast, (nickel-plated)
Sealing material	NBR
Status display	No

Conductor data

Cable type	PUR halogen-free black
Cable abbreviation	Li9Y11Y
Conductor cross section	0.25 mm ²
AWG signal line	24
Conductor structure signal line	32 x 0.10 mm
Core diameter including insulation	1.17 mm $\pm$ 0.02 mm
Thickness, insulation	≥ 0.21 mm (Core insulation)
	Approx. 0.8 mm (Outer cable sheath)
External cable diameter	5.90 mm
Wire colors	white, brown, green, yellow, gray, pink, blue, red
External sheath, color	Black-gray RAL 7021
Insulation resistance	≥ 100 G Ω *km
Conductor resistance	≤ 78 Ω /km
Nominal voltage, conductor	300 V
Test voltage, conductor	3000 V
Outer sheath, material	PUR
Material, filler	PE
Material conductor insulation	PP
Conductor material	Bare Cu litz wires
Cable weight	46 kg/km

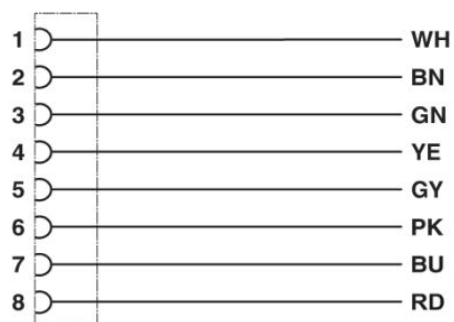
Drawings

Dimensioned drawing



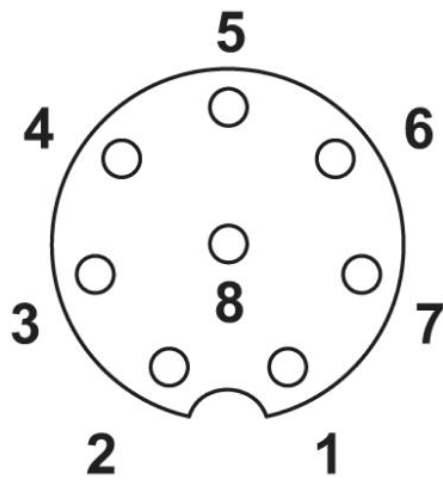
M12 x 1 female connector, angled

Circuit diagram

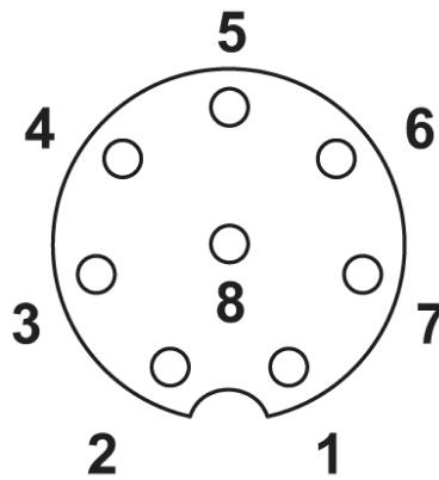


Contact assignment of the M12 socket

Schematic diagram



Pin assignment M12 socket, 8-pos., A-coded, view female side



Pin assignment M12 socket, 8-pos., A-coded, view female side