

Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation at <http://www.download.phoenixcontact.com>. The General Terms and Conditions of Use apply to Internet downloads.

► Extract from the online catalog



Sensor/actuator cable, 3-pos., PUR halogen-free black, free conductor end on straight M12 socket, with two LEDs, cable length: 3 m

Order No.	1694198
Ord designation	SAC-3P- 3,0-PUR/M12FS-2L
EAN	4017918177379
Pack	1 Pcs.
Customs tariff	85444290
Weight	90.00 g
Catalog page information	Page 64 (PC-2007)

► Product notes

WEEE/RoHS-compliant since: 20.10.2006



► Technical data

General data

Nominal current I_N	4 A
Nominal voltage U_N	24 V
Number of positions	3

Volume resistance	$\leq 5 \text{ m}\Omega$
Ambient temperature (operation)	-25 °C ... 90 °C (plug/socket)
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)
Ambient temperature (operation)	-5 °C ... 80 °C (cable, flexible installation)

General characteristics

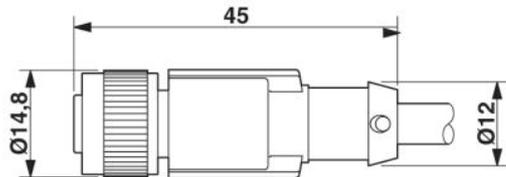
Keying	A - standard
Fixed cable length	3 m
Cable type	PUR halogen-free black
Inflammability class acc. to UL 94	HB
Surge voltage category	II
Contamination class	3
Degree of protection	IP65/IP68/IP69K
Material of contact	CuSn
Material of contact surface	Ni/Au
Contact carrier material	TPU GF
Material of grip body	TPU, hardly inflammable, self-extinguishing
Material, knurls	Zinc die-cast, (nickel-plated)
Single wire, color	Brown, blue, black
Conductor cross section	0.34 mm ²
Volume resistance	≤ 5 mΩ
Insulation resistance	≥ 100 MΩ

Conductor data

Minimum external conductor diameter	5.2 mm
Maximum external conductor diameter	5.2 mm

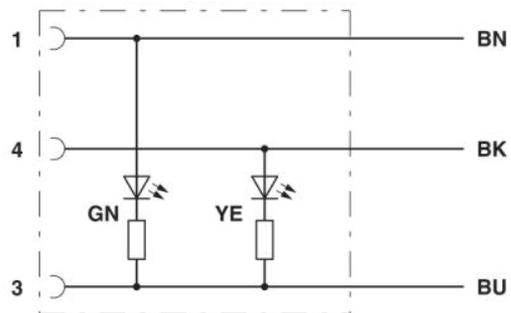
▸ Drawings

Dimensioned drawing



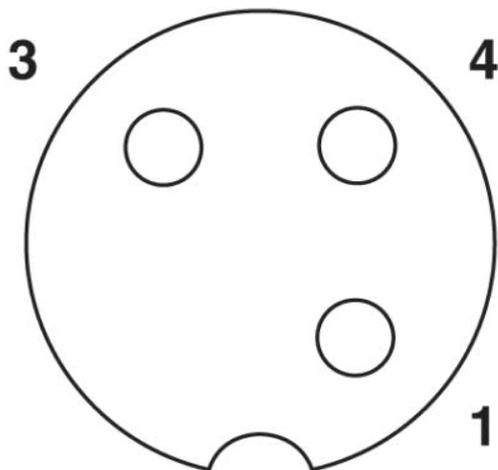
Socket M12 x 1, straight, with LED

Circuit diagram



Contact assignment of M12 sockets with 2 LEDs

Schematic diagram



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

► Address

Phoenix Contact GmbH
Ada-Christen-Gasse 4
1108 Wien
Österreich
Phone 01/680 76
Fax 01/688 76 20
<http://www.phoenixcontact.at>
Phoenix Contact
Technical modifications reserved;