

SAC-6P- 2,0-970/FS SCO

Order No.: 1428571

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Bus system cable, VARAN, 6-pos., TPE halogen-free black, shielded, free conductor end, on straight M12 SPEEDCON socket, cable length:2 m



Commercial data	
EAN	4046356322850
Pack	1 pcs.
Customs tariff	85444290
Weight/Piece	0.1836 KG
Catalog page information	Page 254 (PC-2009)

Product notes

WEEE/RoHS-compliant since:
10/10/2007



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Technical data**General data**

Nominal current I_N	2 A
Nominal voltage U_N	30 V
Number of positions	6

Volume resistance	≤ 5 mΩ
Insulation resistance	≥ 100 MΩ
Length of cable	2 m
Ambient temperature (operation)	-25 °C ... 90 °C (plug/socket)
	-20 °C ... 80 °C (cable, fixed installation)
	0 °C ... 50 °C (cable, flexible installation)

General characteristics

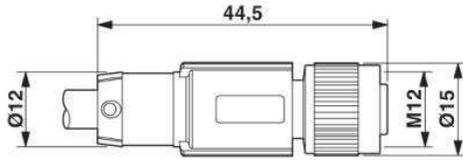
Coding	A - standard
Inflammability class acc. to UL 94	HB
Surge voltage category	II
Pollution degree	3
Degree of protection	IP65/IP67/IP69K
Contact material	CuZn
Contact surface material	Ni/Au
Contact carrier material	TPU GF
Material of grip body	TPU, hardly inflammable, self-extinguishing
Material, knurls	Zinc die-cast, (nickel-plated)
Sealing material	NBR
Status display	No

Conductor data

Cable type (abbreviation)	970
Conductor cross section	0.25 mm ² (signal line)
	0.38 mm ² (Power supply)
AWG signal line	19
Core diameter including insulation	1.35 mm (signal line)
External cable diameter	7.80 mm
Wire colors	braun, blau, weiß/orange, weiß/grün, grün, orange
External sheath, color	Black RAL 9005
Insulation resistance	5 GΩ*km
Conductor resistance	77 Ω/m
Working capacitance	50 nF
Nominal voltage, conductor	125 V
Cable weight	81 kg/km
Smallest bending radius, fixed installation	≥ 93 mm
Smallest bending radius, movable installation	≥ 93 mm

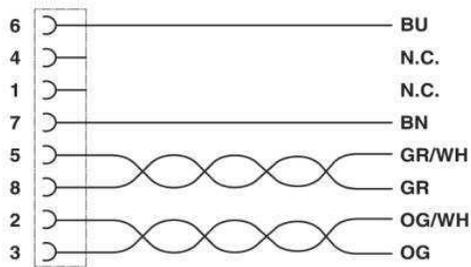
Drawings

Dimensioned drawing



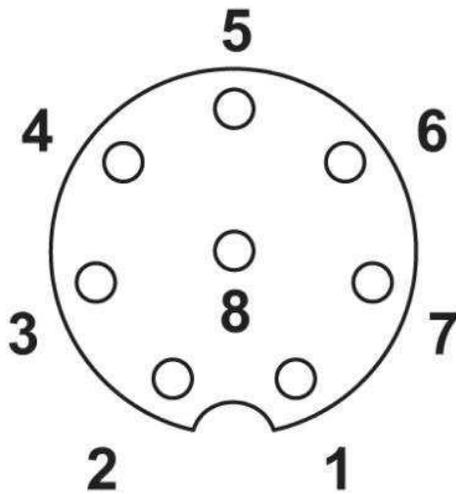
M12 x 1 female connector, straight, shielded

Circuit diagram



Contact assignment of the M12 socket

Schematic diagram



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

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