

SAC-6P- 5,0-970/FS SCO

Order No.: 1428584




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Bus system cable, 6-position, TPE halogen-free, Black RAL 9005, shielded, Free conductor end, on Socket, straight M12-SPEEDCON, A-coded, Cable length: 5 m



Commercial data

GTIN (EAN)	 4 046356 322867
Note	Made-to-order
sales group	D117
Pack	1 pcs.
Customs tariff	85444290
Catalog page information	Page 324 (PC-2011)

Product notes

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



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Technical data

General data

Rated current at 40°C	2 A
Rated voltage	30 V
Number of positions	6

Volume resistance	≤ 5 mΩ
Insulation resistance	≥ 100 MΩ
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/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

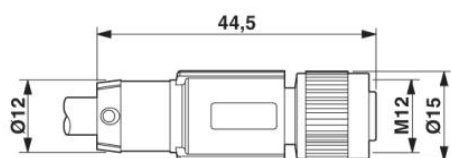
Conductor data

Cable type (abbreviation)	970
Cable structure	1x2xAWG22/19 + 1x4xAWG24/19
Conductor cross section	0.25 mm ² (signal line) 0.38 mm ² (Power supply)
AWG signal line	19
Conductor structure signal line	19x 0.13 mm
Core diameter including insulation	1.35 mm (signal line)
External cable diameter	7.8 mm ± 0.2 mm
Wire colors	Brown, blue, white/orange, white/green, green, orange
External sheath, color	Black RAL 9005
Insulation resistance	5 GΩ*km (Data cable)
Conductor resistance	77 Ω/m (Data cable)
Transmission characteristics (category)	CAT5 (IEC 11801:2002), CAT5e (TIA 568B:2001)
Working capacitance	50 nF (Data cable)
Wave impedance	100 Ω ±15%
Nominal voltage, conductor	max. 125 V (Data cable)

Test voltage, conductor	2000 V (Power)
Type of pair shielding	Tinned copper braided shield, 90% covering
Shielding	Tinned copper braided shield
Optical shield covering	85 %
Outer sheath, material	TPE
Conductor material	Bare Cu litz wires
Cable weight	81 kg/km
Smallest bending radius, fixed installation	≥ 93 mm
Smallest bending radius, movable installation	≥ 93 mm
Ambient temperature (operation)	0 °C ... 50 °C (cable, fixed installation)

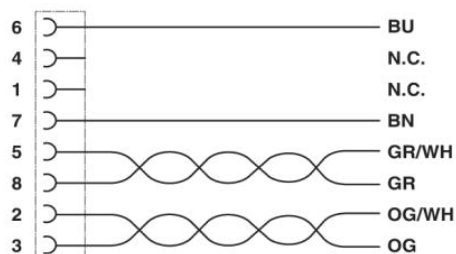
Diagrams/Drawings

Dimensioned drawing



M12 x 1 female connector, straight, shielded

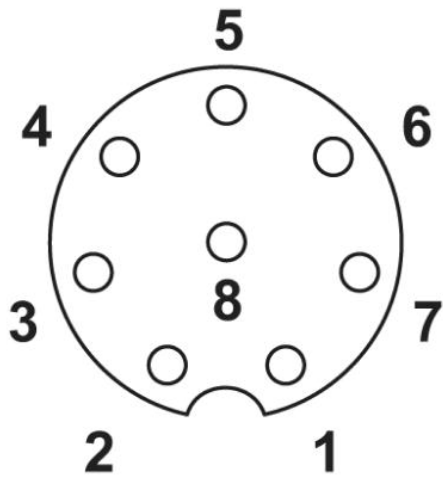
Circuit diagram



Contact assignment of the M12 socket

Schematic diagram

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



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