

Sensor/Actuator cable - SAC-12P-MS/ 1,5-PUR SCO - 1430530

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://download.phoenixcontact.com>)



Sensor/Actuator cable, 12-position, PUR halogen-free, Black RAL 9005, Plug straight M12 SPEEDCON, A-coded, on Free cable end, Cable length: 1.5 m

Product Features

- ✓ Easy and safe: 100% electrically tested plug-in components
- ✓ Save time, thanks to installation with SPEEDCON rapid interlock system
- ✓ Our standard: robust halogen-free PUR cable
- ✓ Save space – with high-pos. connectors



Key commercial data

package_quantity	1
GTIN	4046356456357

Technical data

Dimensions

Length of cable	1.5 m
Stripping length of the free conductor end	35 mm

Ambient conditions

Ambient temperature (operation)	-25 °C ... 90 °C (Plug / socket)
Degree of protection	IP65
Degree of protection	IP67
Degree of protection	IP68

General

Rated current at 40°C	1.5 A
Rated voltage	30 V
Number of positions	12
Contact resistance	≤ 5 mΩ
Insulation resistance	≥ 100 MΩ
Coding	A - standard
Standards/regulations	M12 connector IEC 61076-2-101
Status display	No
Protective circuit/component	Unwired

Sensor/Actuator cable - SAC-12P-MS/ 1,5-PUR SCO - 1430530

Technical data

General

Surge voltage category	II
Pollution degree	3
Torque	0.4 Nm (M12 connector)

Material

Inflammability class according to UL 94	V0
Contact material	CuZn
Contact surface material	Ni/Au
Contact carrier material	PA 66
Material of grip body	TPU, hardly inflammable, self-extinguishing
Material, knurls	Zinc die-cast, nickel-plated

Cable

Conductor cross section	12x 0.14 mm ² (signal line)
AWG signal line	26
Conductor structure signal line	18x 0.10 mm
Core diameter including insulation	1 mm ±0.05 mm (signal line)
Wire colors	White, brown, green, yellow, gray, pink, blue, red, black, violet, gray/pink, red/blue
Overall twist	12 wires twisted in layers
External sheath, color	Black RAL 9005
External cable diameter D	7.2 mm
Number of bending cycles	4000000
Bending radius	54 mm
Traversing path	10 m
Traversing rate	3 m/s
Acceleration	10 m/s ²
Outer sheath, material	PUR
Material conductor insulation	PP
Conductor material	Tin-plated Cu litz wires
Conductor resistance	142 Ω/km
Special properties	Low adhesion surface
Resistance to oil	DIN VDE 0472 Part 803, test type B
Other resistance	Hydrolysis and microbe resistant as per VDE 0282 section 10
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)
Ambient temperature (operation)	-5 °C ... 80 °C (cable, flexible installation)

classifications

eCl@ss

eCl@ss 4.0	27060306
eCl@ss 4.1	27060306
eCl@ss 5.0	27061801

Sensor/Actuator cable - SAC-12P-MS/ 1,5-PUR SCO - 1430530

classifications

eCl@ss

eCl@ss 5.1	27061801
eCl@ss 6.0	27061801
eCl@ss 7.0	27061801
eCl@ss 8.0	27061801

ETIM

ETIM 3.0	EC001855
ETIM 4.0	EC001855
ETIM 5.0	EC001855

UNSPSC

UNSPSC 6.01	31251501
UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	31251501

approvals

GOST /

Approval details

 GOST
--

accessories

Protective cap

PROT-M12 FS-PA-CHAIN - 1430873



Safety locking

Sensor/Actuator cable - SAC-12P-MS/ 1,5-PUR SCO - 1430530

accessories

SAC-M12-EXCLIP-M - 1558988



Conductor marking

PABA WH/15 - 1013151



PABA YE/15 - 1013698



PABA RD/15 - 1013944



Marker carrier cable

PATG 2/15 - 1013038



Sensor/Actuator cable - SAC-12P-MS/ 1,5-PUR SCO - 1430530

accessories

PATG 3/15 - 1013041



PATG 4/15 - 1013054



Marker pen

B-STIFT - 1051993



Cutting tools

CUTFOX-S VDE - 1212207



Stripping tool

WIREFOX SAC - 1212623



Sensor/Actuator cable - SAC-12P-MS/ 1,5-PUR SCO - 1430530

accessories

WIREFOX 10 - 1212150



Torque tool

TSD 04 SAC - 1208429



TSD-M 1,2NM - 1212224



Screwdriver tools

TSD-M SAC-BIT ADAPTER - 1212600



SAC BIT M12-D15 - 1208432



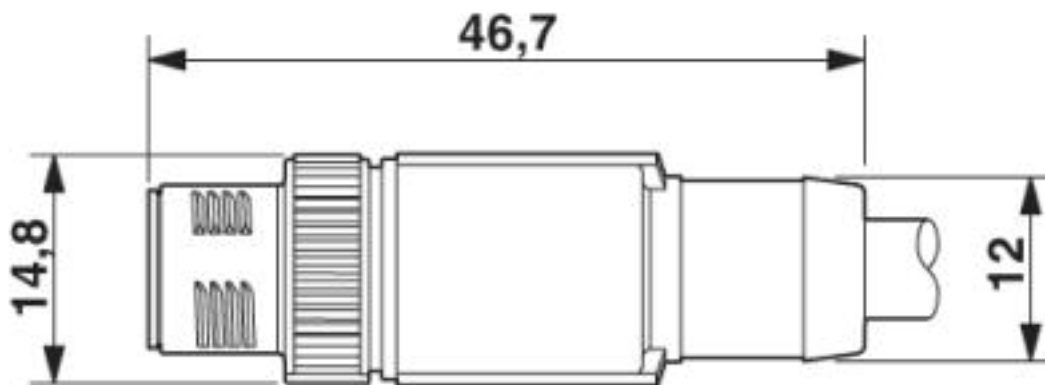
Sensor/Actuator cable - SAC-12P-MS/ 1,5-PUR SCO - 1430530

accessories

WIREFOX SAC-1 - 1212757

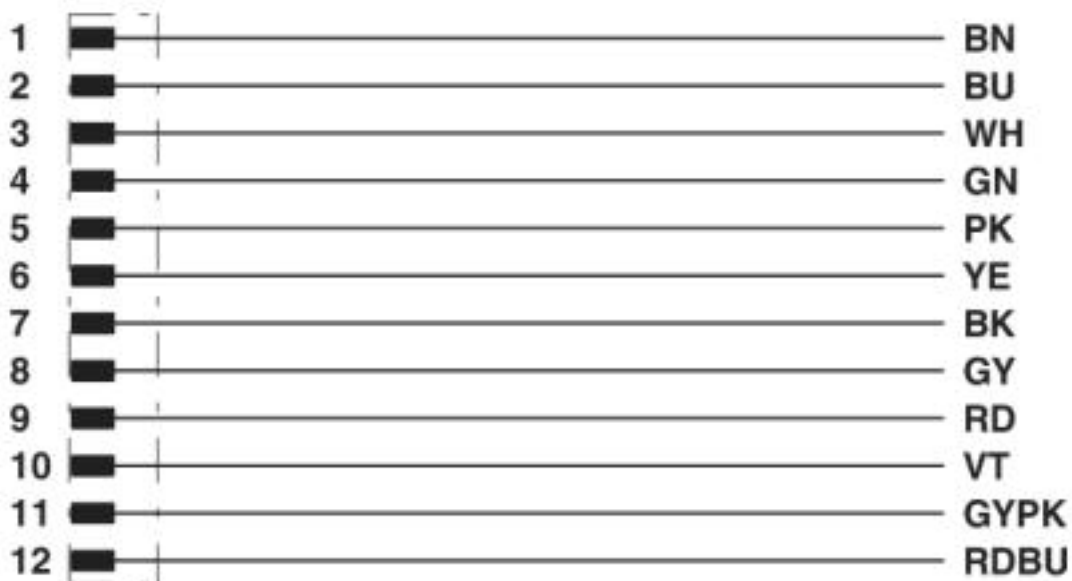
Drawings

Dimensioned drawing



M12 SPEEDCON plug, straight, shielded

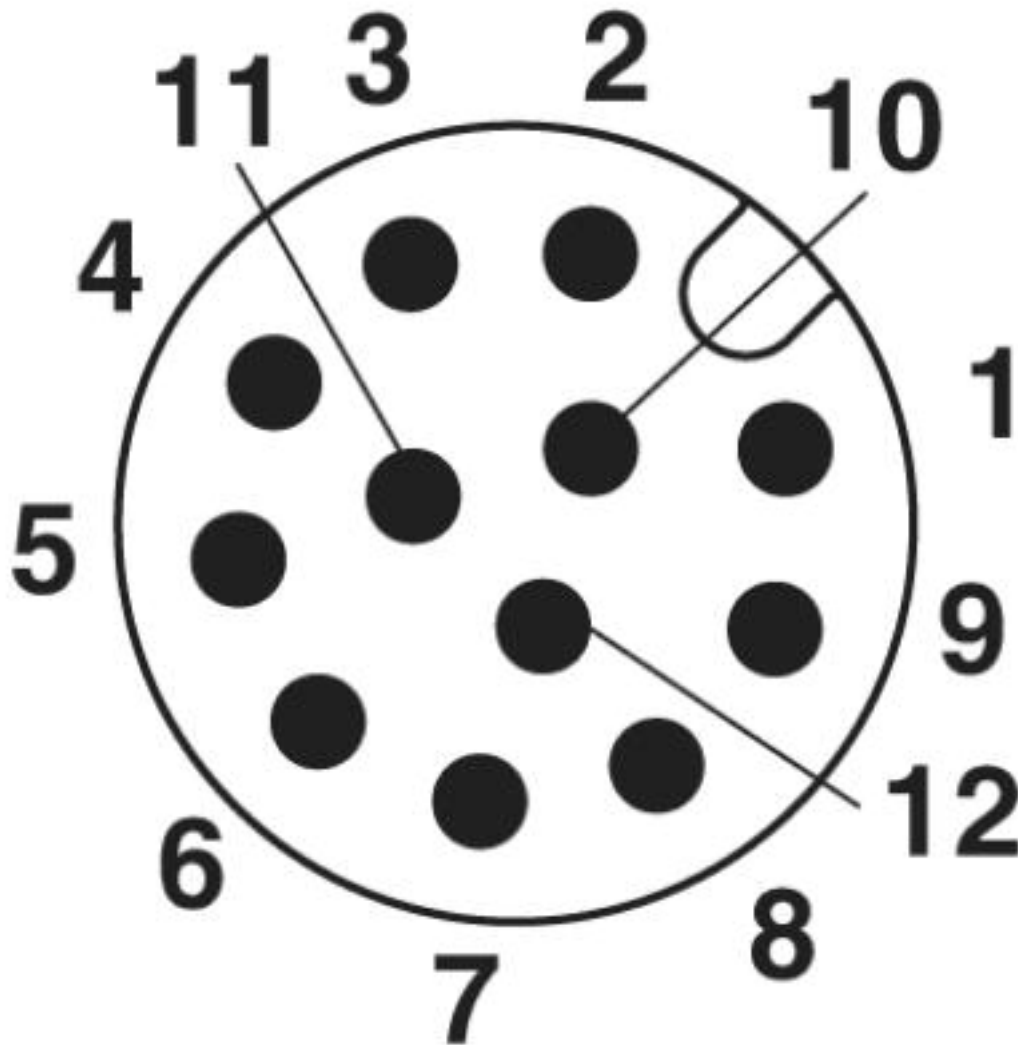
Circuit diagram



Contact assignment of the M12 plug

Sensor/Actuator cable - SAC-12P-MS/ 1,5-PUR SCO - 1430530

Schematic diagram



Pin assignment M12 male connector, 12-pos., male side view

Sensor/Actuator cable - SAC-12P-MS/ 1,5-PUR SCO - 1430530

Cable cross section



PUR halogen-free black [PUR]

© Phoenix Contact 2013 - all rights reserved
<http://www.phoenixcontact.com>