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Sensor/Actuator cable - SAC-12P- 3,0-PVC/FR SCO - 1554908

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Sensor/Actuator cable, 12-position, PVC, black RAL 9005, free cable end, on Socket angled M12 SPEEDCON, A-coded, Cable length: 3 m

Why buy this product

- Easy and safe: 100% electrically tested plug-in components
- Save time, thanks to installation with SPEEDCON fast locking system
- Save space – with high-pos. connectors



Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 176514

Technical data

Dimensions

Length of cable	3 m
Cable diameter	5.9 mm
Stripping length of the free conductor end	35 mm

Ambient conditions

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

General

Rated current at 40°C	1.5 A
Rated voltage	30 V
Number of positions	12
Insulation resistance	≥ 100 MΩ
Coding	A - standard

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Technical data

General

Standards/regulations	M12 connector IEC 61076-2-101
Status display	No
Protective circuit/component	Unwired
Overvoltage category	II
Degree of pollution	3
Torque	0.4 Nm (M12 connector)

Material

Flammability rating according to UL 94	HB
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

Cable

Cable type	PVC black
Conductor cross section	0.14 mm ²
AWG signal line	26
Conductor structure signal line	18x 0.10 mm
Wire colors	Color-coded DIN 47100
Overall twist	Wires twisted in layers
External sheath, color	black RAL 9005
External cable diameter	5.90 mm
Smallest bending radius, movable installation	88.5 mm
Outer sheath, material	PVC
Material conductor insulation	PVC
Conductor material	Bare Cu litz wires
Conductor resistance	142 Ω/m
Ambient temperature (operation)	-25 °C ... 80 °C (cable, fixed installation)
	-5 °C ... 80 °C (cable, flexible installation)

Standards and Regulations

Standard designation	M12 connector
Standards/regulations	IEC 61076-2-101
Flammability rating according to UL 94	HB

Classifications

eCl@ss

eCl@ss 4.0	27060306
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Classifications

eCl@ss

eCl@ss 4.1	27060306
eCl@ss 5.0	27061801
eCl@ss 5.1	27061801
eCl@ss 6.0	27061801
eCl@ss 7.0	27061801
eCl@ss 8.0	27279218

ETIM

ETIM 3.0	EC001855
ETIM 4.0	EC001855
ETIM 5.0	EC001855

UNSPSC

UNSPSC 6.01	26121616
UNSPSC 7.0901	26121616
UNSPSC 11	26121604
UNSPSC 12.01	31251501
UNSPSC 13.2	26121616

Approvals

Approvals

Approvals

EAC

Ex Approvals

Approvals submitted

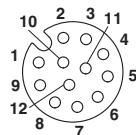
Approval details

EAC

Drawings

Sensor/Actuator cable - SAC-12P- 3,0-PVC/FR SCO - 1554908

Schematic diagram



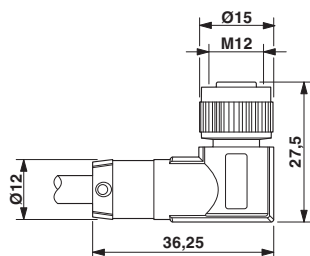
Pin assignment M12, 12-pos., female side view

Cable cross section



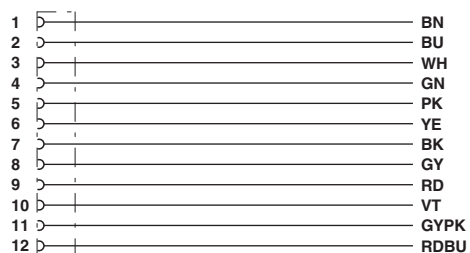
PVC black [PVC]

Dimensional drawing



M12-SPEEDCON socket, angled

Circuit diagram



Contact assignment of the M12 socket

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Product	Code	Reference	Product link
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