

Sensor/Actuator cable - SAC-3P-M5MS/ 3,0-PUR - 1530278

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Sensor/Actuator cable, 3-position, PUR, black RAL 9005, Plug straight M5, A-coded, on free cable end, Cable length: 3 m

Why buy this product

- ✓ Easy and safe: 100% electrically tested plug-in components
- ✓ Signal transmission in a confined space – with our M5 connectors

RoHS

Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 024075
GTIN	4046356024075
Weight per Piece (excluding packing)	47.000 g
Custom tariff number	85444290
Country of origin	Germany

Technical data

Dimensions

Length of cable	3 m
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Ambient conditions

Ambient temperature (operation)	-25 °C ... 80 °C (Plug / socket)
Degree of protection	IP65
	IP67
	IP68

General

Rated current at 40°C	1 A
Rated voltage	125 V
Number of positions	3

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Technical data

General

Insulation resistance	$\geq 10 \text{ G}\Omega$
Coding	A - standard
Standards/regulations	M5 connector IEC 61076-2-105
Status display	No
Protective circuit/component	Unwired
Overvoltage category	II
Degree of pollution	3
Test voltage	1750 V
Insertion/withdrawal cycles	≥ 100

Material

Contact material	CuZn
Contact surface material	Au
Contact carrier material	PUR
Material of grip body	PUR
Material, knurls	Nickel-plated brass

Standards and Regulations

Standard designation	M5 connector
Standards/regulations	IEC 61076-2-105

Cable

Cable type	PUR/PVC black
Conductor cross section	3x 0.14 mm ² (Signal line)
AWG signal line	26
Conductor structure signal line	18x 0.10 mm
Core diameter including insulation	1.1 mm
Wire colors	brown, blue, black
Overall twist	3 wires, twisted
External sheath, color	black RAL 9005
External cable diameter D	3 mm ± 0.2 mm
Smallest bending radius, fixed installation	8 mm
Smallest bending radius, movable installation	15 mm
Cable weight	12.9 kg/km
Outer sheath, material	PUR
Material conductor insulation	PVC
Conductor material	Bare Cu litz wires
Insulation resistance	100 M Ω *km
Conductor resistance	148 Ω /km
Nominal voltage, cable	250 V
Test voltage, cable	800 V _{rms}
Ambient temperature (operation)	-15 °C ... 80 °C (cable, fixed installation)

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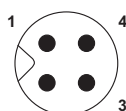
Technical data

Cable

	-5 °C ... 80 °C (cable, flexible installation)
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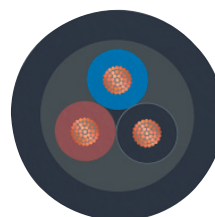
Drawings

Schematic diagram



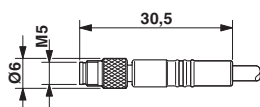
Plug M5, 3-pos.

Cable cross section



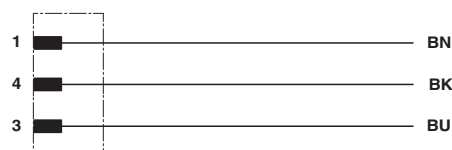
PUR/PVC black [350]

Dimensional drawing



Plug M5 x 0.5, straight

Circuit diagram



Contact assignment of the M5 connector

Classifications

eCl@ss

eCl@ss 4.0	27060306
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
eCl@ss 9.0	27060311

ETIM

ETIM 2.0	EC000830
ETIM 3.0	EC001855
ETIM 4.0	EC001855
ETIM 5.0	EC001855

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Classifications

ETIM

ETIM 6.0	EC001855
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UNSPSC

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

Approvals


Approvals

Approvals

EAC

Ex Approvals

Approval details

EAC		EAC-Zulassung
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Accessories

Accessories

Conductor marking

Insert label - PABA WH/23 - 1013779



Insert label, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, Mounting type: Thread on, Cable diameter: 1.5-35 mm, Lettering field: 23 x 4 mm

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Accessories

Insert label - PABA YE/23 - 1013782



Insert label, Strip, yellow, unlabeled, can be labeled with: CMS-P1-PLOTTER, Mounting type: Thread on, Cable diameter: 1.5-35 mm, Lettering field: 23 x 4 mm

Insert label - PABA WH/15 - 1013151



Insert label, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, Mounting type: Thread on, Cable diameter: 0.6-50 mm, Lettering field: 15 x 4 mm

Insert label - PABA YE/15 - 1013698



Insert label, Strip, yellow, unlabeled, can be labeled with: CMS-P1-PLOTTER, Mounting type: Thread on, Cable diameter: 0.6-50 mm, Lettering field: 15 x 4 mm

Insert label - PABA RD/15 - 1013944



Insert label, Strip, red, unlabeled, can be labeled with: CMS-P1-PLOTTER, Mounting type: Thread on, Cable diameter: 0.6-50 mm, Lettering field: 15 x 4 mm

Corrugated pipe

Protective hose - WP-PA HF 13,0 BK - 3240681



Polyamide protective hose, inflammability class V0, UV resistant

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Accessories

Protective hose - WP-PA HF-HB 13,0 BK - 3240839



Polyamide protective hose, inflammability class HB, UV resistant

Cutting tools

Diagonal cutter - CUTFOX-S VDE - 1212207



Diagonal cutter for copper and aluminum conductors, VDE 1000 V AC/ 1500 V DC-tested

Marker carrier cable

Conductor marker carrier - PATG 2/15 - 1013038



Conductor marker carrier, transparent, unlabeled, Mounting type: slide on, Cable diameter: 2-4 mm, Lettering field: 4 x 15 mm

Conductor marker carrier - PATG 3/15 - 1013041



Conductor marker carrier, transparent, unlabeled, Mounting type: slide on, Cable diameter: 4-7 mm, Lettering field: 4 x 15 mm

Conductor marker carrier - PATG 4/15 - 1013054



Conductor marker carrier, transparent, unlabeled, Mounting type: slide on, Cable diameter: 6-10 mm, Lettering field: 4 x 15 mm

Marker pen

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Accessories

Marker pen - B-STIFT - 1051993



Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm

Stripping tool

Stripping tool - WIREFOX SAC-1 - 1212757



Stripping pliers, for halogen-free sensor/actuator cables (SAC cables), with PUR and PVC insulation, from Ø of 3.2 to 4.4 mm, any stripping length

Stripping tool - WIREFOX SAC - 1212623



Stripping pliers, for halogen-free sensor/actuator cables (SAC cables), with PUR and PVC insulation, from Ø of 4.4 to 7 mm, any stripping length

Stripping tool - WIREFOX 10 - 1212150



Stripping tool, for cables and conductors from 0.02 - 10 mm², self-adjusting, stripping length of up to 18 mm, cutting capacity of up to 10 mm² stranded/1.5 mm² solid, replaceable stripping blade

Protective hose adapter - WP-CTA POM 13,0 BK - 1422884



Protective hose adapter, for corrugated hoses with a nominal size of 13 (10 x 13), corrugated in parallel
