PHŒNIX CONTACT

Sensor/Actuator cable - SAC-5P-MINMS/0,6-430/MINFS PWR - 1443417

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Sensor/Actuator cable, 5-position, PVC, Gray RAL 7001, Plug straight 7/8"-16UNF, A-coded, on Socket straight 7/8"-16UNF, A-coded, Cable length: 0.6 m, 1.5 mm² conductor cross section, For power supply

Product Features

☑ Easy and safe: 100% electrically tested plug-in components

☑ Robust connectors in size 7/8"-16UNF

☑ High-performance: connectors and cables with a large conductor cross section for power supply

Key commercial data

Packing unit	1 1
Weight per Piece (excluding packing)	200.0 GRM
Custom tariff number	85444290
Country of origin	Germany

Technical data

Dimensions

Length of cable	0.6 m

Ambient conditions

Ambient temperature (operation)	-40 °C ... 90 °C (Plug / socket)
Degree of protection	IP65
	IP67
	IP68

General

Rated current at 40°C	10 A
Rated voltage	600 V
Number of positions	5
Contact resistance	≤ 5 mΩ

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Technical data

General

Insulation resistance	$\geq$ 10 MΩ
Coding	A - standard
Status display	No
Surge voltage category	II
Pollution degree	3
Structure of individual litz in acc. with VDE 0295 / smallest wire diameter	VDE 0295 class 5
Insertion/withdrawal cycles	100

Material

Inflammability class according to UL 94	HB
Contact material	CuZn
Contact surface material	AU
Contact carrier material	PA 66
Material of grip body	TPU
Material, knurls	Zinc die-cast, nickel-plated

Cable

Cable type	PVC gray
Cable abbreviation	H05VV5-F
AWG signal line	16
Wire colors	Black 1, black 2, black 3, black 4, green/yellow
Overall twist	5 cores, twisted
External sheath, color	Gray RAL 7001
External cable diameter	10.00 mm
Smallest bending radius, fixed installation	40 mm
Smallest bending radius, movable installation	125 mm
Cable weight	168 kg/km
Outer sheath, material	PVC
Conductor material	Bare Cu litz wires
Flame resistance	UL 1581, Sec. 1061 (Cable Flame)
	IEC 60332-1-2
Ambient temperature (operation)	-40 °C ... 90 °C (cable, fixed installation)
	-5 °C ... 90 °C (cable, flexible installation)

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	27279218
eCl@ss 7.0	27279218
eCl@ss 8.0	27279218

ETIM

ETIM 2.0	EC000830
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

Approvals

Approvals

UL Listed / cUL Listed / GOST / cULus Listed

Ex Approvals

Approvals submitted

Approval details

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Approvals

UL Listed (UL)

Nominal current IN	10 A
Nominal voltage UN	600 V

cUL Listed (UL)

Nominal current IN	10 A
Nominal voltage UN	600 V

GOST

cULus Listed (UL)us

Accessories

Accessories

Conductor marking

Insert label - PABA WH/15 - 1013151

Insert label, Strip, white, Unlabeled, Can be labeled with: Plotter, Mounting type: Thread on, Cable diameter: 0.6-50 mm, Lettering field: 15 x 4 mm

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Accessories

Insert label - PABA YE/15 - 1013698

Insert label, Strip, yellow, Unlabeled, Can be labeled with: 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: Plotter, Mounting type: Thread on, Cable diameter: 0.6-50 mm, Lettering field: 15 x 4 mm

Marker carrier cable

Conductor marker carrier - PATO 2/15 - 1013122

Conductor marker carrier, transparent, Unlabeled, Mounting type: Clip on, Cable diameter: 2.8-4.4 mm, Lettering field: 4 x 15 mm

Conductor marker carrier - PATO 3/15 - 1013135

Conductor marker carrier, transparent, Unlabeled, Mounting type: Clip on, Cable diameter: 4.4-6.7 mm, Lettering field: 4 x 15 mm

Conductor marker carrier - PATO 4/15 - 1013148

Conductor marker carrier, transparent, Unlabeled, Mounting type: Clip on, Cable diameter: 6.7-10 mm, Lettering field: 4 x 15 mm

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Accessories

Marker pen

Marker pen - B-STIFT - 1051993

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

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Protective cap

Sealing cap - PROT-MINFS-PA-CHAIN - 1430912

7/8" sealing cap made of plastic with fixing band, for sensor cables, for 7/8" connectors

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Screw plug - PROT-MINMS-PA-CHAIN - 1430925

7/8" sealing cap made of plastic with fixing band, for sensor cables, for 7/8" sockets

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Screwdriver tools

Adapter insert - TSD-M SAC-BIT ADAPTER - 1212600

Adapter bit for TSD-M...torque tools, E6.3-1/4" drive with 4 mm hexagon to accommodate SAC bits

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Accessories

Adapter - SAC BIT MIN-D25 - 1212512

SAC nut, for assembling 7/8" connectors, with 4 mm hexagonal drive

Torque tool

Torque screwdriver - TSD 08 SAC - 1212597

Torque screw driver with preset torque of 0.8 Nm, with 4 mm hexagon for accommodating SAC bits, two-component handle with non-slip grip
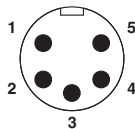
Torque screwdriver - TSD-M 1,2NM - 1212224

Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 0.3 - 1.2 Nm

Drawings

Schematic diagram

Schematic diagram
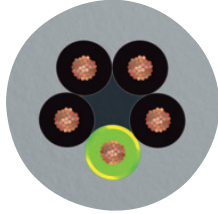
Pin assignment, plug, 7/8"-16UNF, 5-pos., view of male side
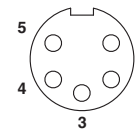
Pin assignment, socket, 7/8"-16UNF, 5-pos., view of female side

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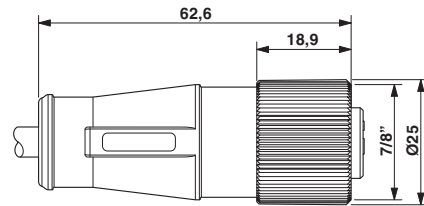
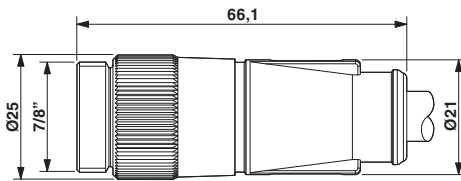# Sensor/Actuator cable - SAC-5P-MINMS/0,6-430/MINFS PWR - 1443417

Cable cross section

PVC gray [430]

Dimensioned drawing

62,6

18,9

7/8"

Ø25

7/8"-16UNF socket, straight

Dimensioned drawing

66,1

Ø25

7/8"

Ø21

7/8"-16UNF plug, straight

Circuit diagram

1	1
2	2
4	4
3	3
5	5

Contact assignment of the 7/8" connector and the 7/8" socket