

Sensor/actuator cable - SAC-5P-20,0-440/MINFS PWR - 1402534

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://phoenixcontact.com/download>)

Sensor/actuator cable, 5-pos., PUR, RAL 7001 (gray), free cable end to straight 7/8" 16UNF socket, cable length: 20 m, 1.5 mm² conductor cross section, for power supply

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 621465
GTIN	4046356621465

Technical data

Dimensions

Length of cable	20 m
-----------------	------

Ambient conditions

Degree of protection	IP67
----------------------	------

General

Rated current at 40°C	10 A
Rated voltage	63 V DC
Rated surge voltage	4000 V
Number of positions	5
Insulation resistance	≥ 10 MΩ
Coding	A - standard
Status display	No
Overvoltage category	II
Degree of pollution	3
Structure of individual litz in acc. with VDE 0295 / smallest wire diameter	VDE 0295 class 5
Insertion/withdrawal cycles	100

Material

Flammability rating according to UL 94	HB
Contact material	CuZn
Contact surface material	AU
Contact carrier material	PA 6.6
Material of grip body	TPU

Sensor/actuator cable - SAC-5P-20,0-440/MINFS PWR - 1402534

Technical data

Material

Material, knurls	Zinc die-cast, nickel-plated
------------------	------------------------------

Standards and Regulations

Flame resistance	in acc. to UL VW1
	IEC 60332-1-2
Flammability rating according to UL 94	HB

Cable

Cable type	PUR/PVC gray
Cable type (abbreviation)	440
UL AWM style	20234 (80 °C / 600 V)
Conductor cross section	5x 1.5 mm ²
AWG signal line	16
Conductor structure, voltage supply	30x 0.25 mm
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 D	9.7 mm ±0.2 mm
Minimum bending radius, fixed installation	7.5 x D
Minimum bending radius, flexible installation	15 x D
Cable weight	140 kg/km
Outer sheath, material	PUR
Material conductor insulation	PVC
Conductor material	Bare Cu litz wires
Conductor resistance	13.3 Ω/km
Nominal voltage, cable	500 V AC
Test voltage, cable	4000 V AC
Flame resistance	according to EN 60332-1-2
	in acc. to UL VW1
	According to CSA FT1
Resistance to oil	According to HD 22.10
	according to VDE 0282 Part 10
Ambient temperature (operation)	-40 °C ... 90 °C (cable, fixed installation)
	5 °C ... 90 °C (cable, flexible installation)

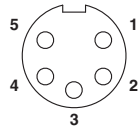
Environmental Product Compliance

REACH SVHC	DOT 15571-58-1
	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

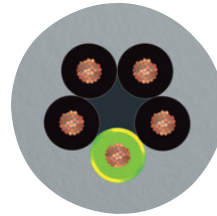
Sensor/actuator cable - SAC-5P-20,0-440/MINFS PWR - 1402534

Schematic diagram



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

Cable cross section



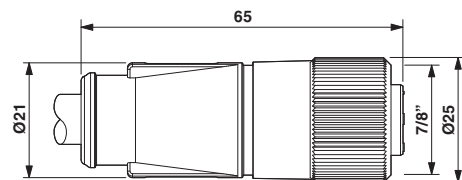
PUR/PVC gray [440]

Circuit diagram



Contact assignment of 7/8" socket

Dimensional drawing



7/8"-16UNF socket, straight

Phoenix Contact 2018 © - all rights reserved
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Phoenix Contact:

1402534