

Power cable - SAC-5P-MINMS/1,5-440/MINFS PWR - 1443831

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Power cable, 5-position, PUR, gray RAL 7001, Plug straight 7/8"-16UNF, A-coded, on Socket straight 7/8"-16UNF, A-coded, cable length: 1.5 m, 1.5 mm² conductor cross section, For power supply

Why buy this product

- 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 STK
GTIN	 4 046356 537407
GTIN	4046356537407

Technical data

Dimensions

Length of cable	1.5 m
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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 AC
	600 V DC
Rated surge voltage	4000 V
Number of positions	5

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Technical data

General

Color handle area	black
Insulation resistance	≥ 10 MΩ
Coding	A - standard
Status display	No
Protective circuit/component	Unwired
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
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

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Technical data

Cable

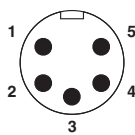
Test voltage, cable	4000 V AC
Flame resistance	according to EN 60332-1-2
	in acc. to UL VW1
	According to CSA FT1
Resistance to oil	According to HD 22.10
	according to VDE 0282 Part 10
Ambient temperature (operation)	-40 °C ... 90 °C (cable, fixed installation)
	5 °C ... 90 °C (cable, flexible installation)

Environmental Product Compliance

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

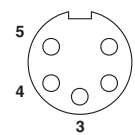
Drawings

Schematic diagram



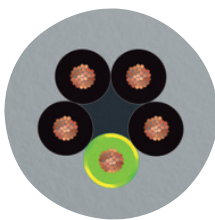
Pin assignment, plug, 7/8"-16UNF, 5-pos., view of male side

Schematic diagram



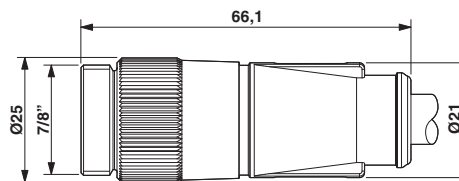
Pin assignment, socket, 7/8"-16UNF, 5-pos., view of female side

Cable cross section



PUR/PVC gray [440]

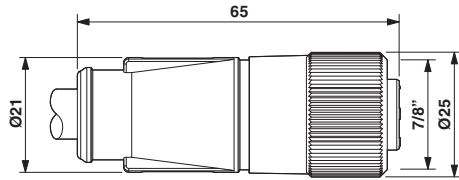
Dimensional drawing



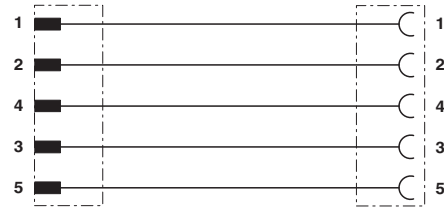
7/8"-16UNF plug, straight

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Dimensional drawing



Circuit diagram



7/8"-16UNF socket, straight

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

Approvals

Approvals

Approvals

EAC

Ex Approvals

Approval details

EAC		EAC-Zulassung
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