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# Power cable - SAC-5P-MINMS/2,0-430/MINFS PWR - 1443446

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Power cable, 5-position, PVC, gray RAL 7001, Plug straight 7/8"-16UNF, A-coded, on Socket straight 7/8"-16UNF, A-coded, Cable length: 2 m, 1.5 mm<sup>2</sup> 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 537001

## Technical data

### Dimensions

Length of cable	2 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
Rated surge voltage	4000 V
Number of positions	5
Insulation resistance	≥ 10 MΩ
Coding	A - standard
Status display	No
Protective circuit/component	Unwired
Overvoltage category	II
Degree of pollution	3

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## Technical data

### General

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 66
Material of grip body	TPU
Material, knurls	Zinc die-cast, nickel-plated

### Standards and Regulations

Flame resistance	UL 1581, Sec. 1061 (Cable Flame)
	IEC 60332-1-2
Flammability rating according to UL 94	HB

### Cable

Cable type	PVC gray
Cable type (abbreviation)	430
UL AWM style	21098 (90 °C / 600 V)
Conductor cross section	5x 1.5 mm <sup>2</sup>
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	10 mm
Minimum bending radius, fixed installation	4 x D
Minimum bending radius, flexible installation	12.5 x D
Cable weight	168 kg/km
Outer sheath, material	PVC
Material conductor insulation	PVC
Conductor material	Bare Cu litz wires
Nominal voltage, cable	600 V
Test voltage, cable	3000 V
Flame resistance	UL 1581, Sec. 1061 (Cable Flame)
	IEC 60332-1-2
Resistance to oil	good oil-resistance
Ambient temperature (operation)	-40 °C ... 90 °C (cable, fixed installation)
	-5 °C ... 90 °C (cable, flexible installation)

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## 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	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 / EAC / cULus Listed

#### Ex Approvals

Approvals submitted

### Approval details

UL Listed 	
Nominal current IN	10 A

# Power cable - SAC-5P-MINMS/2,0-430/MINFS PWR - 1443446

## Approvals

Nominal voltage UN	600 V
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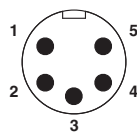
cUL Listed	
Nominal current IN	10 A
Nominal voltage UN	600 V

EAC
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cULus Listed
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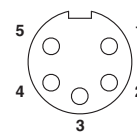
## Drawings

Schematic diagram



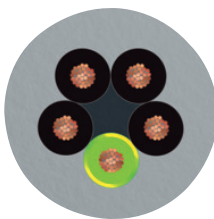
Pin assignment, plug, 7/8"-16UNF, 5-pos., view of male side

Schematic diagram



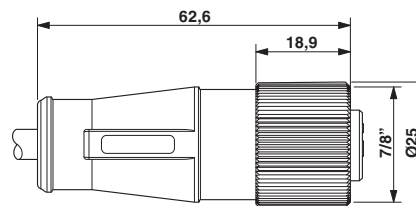
Pin assignment, socket, 7/8"-16UNF, 5-pos., view of female side

Cable cross section



PVC gray [430]

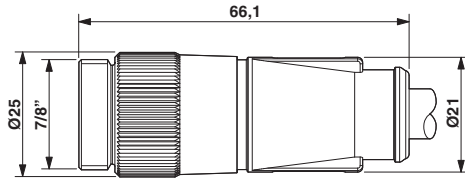
Dimensional drawing



7/8"-16UNF socket, straight

# Power cable - SAC-5P-MINMS/2,0-430/MINFS PWR - 1443446

Dimensional drawing



Circuit diagram



7/8"-16UNF plug, straight

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

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