

## Power cable - SAC-5P-MINMS/1,0-430/MINFS PWR - 1443420

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Power cable, 5-position, PVC, gray RAL 7001, Plug straight 7/8"-16UNF, coding: A, on Socket straight 7/8"-16UNF, coding: A, cable length: 1 m, 1.5 mm<sup>2</sup> conductor cross section, For power supply

### Your advantages

- ✓ 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 pc
GTIN	 4 046356 536981
GTIN	4046356536981

### Technical data

#### Dimensions

Length of cable	1 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	63 V DC
Rated surge voltage	4000 V
Number of positions	5
Color handle area	black

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## Technical data

### General

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	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 mm²
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)

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### Technical data

#### Cable

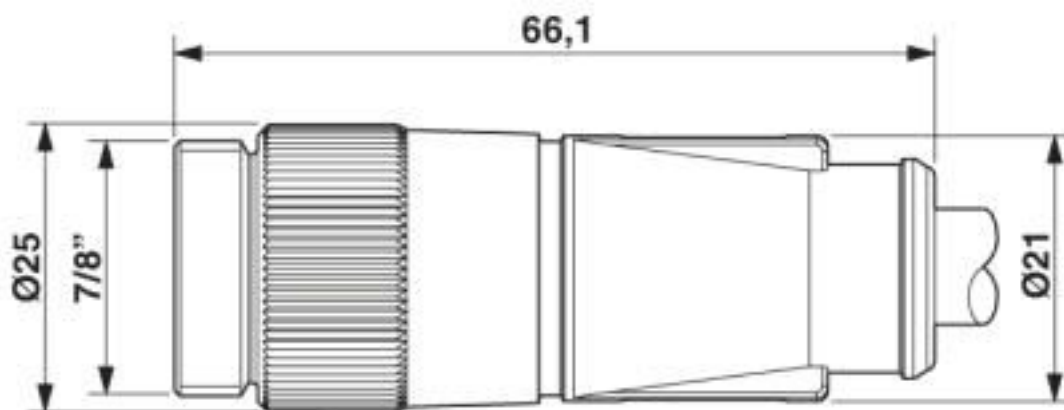
	IEC 60332-1-2
Resistance to oil	good oil-resistance
Ambient temperature (operation)	-40 °C ... 90 °C (cable, fixed installation)
	-5 °C ... 90 °C (cable, flexible installation)

#### Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

### Drawings

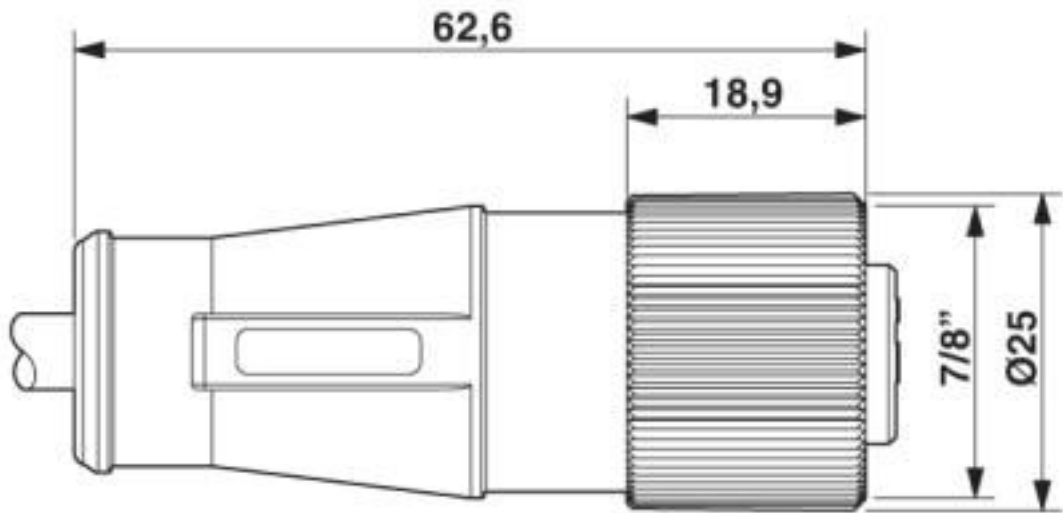
Dimensional drawing



7/8"-16UNF plug, straight

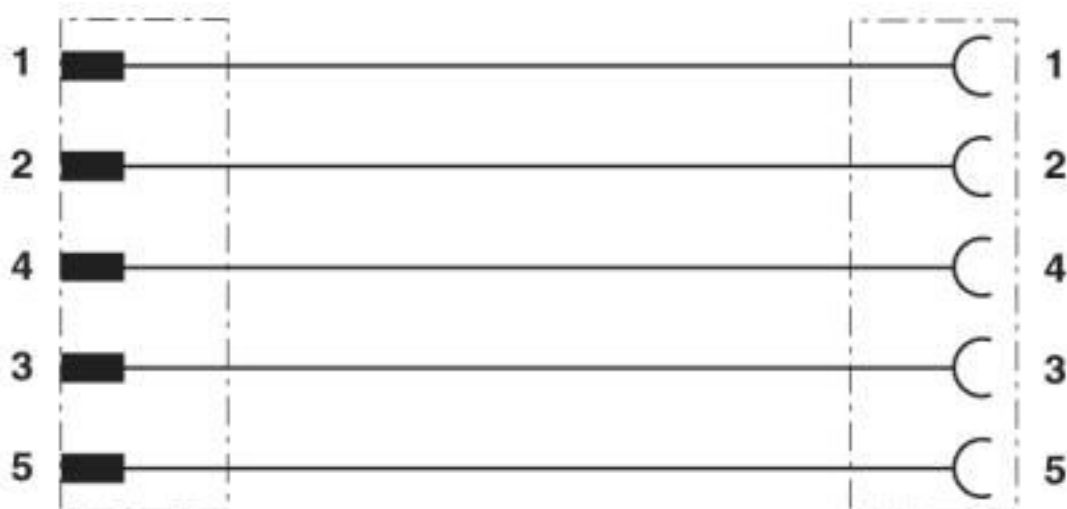
## Power cable - SAC-5P-MINMS/1,0-430/MINFS PWR - 1443420

Dimensional drawing



7/8"-16UNF socket, straight

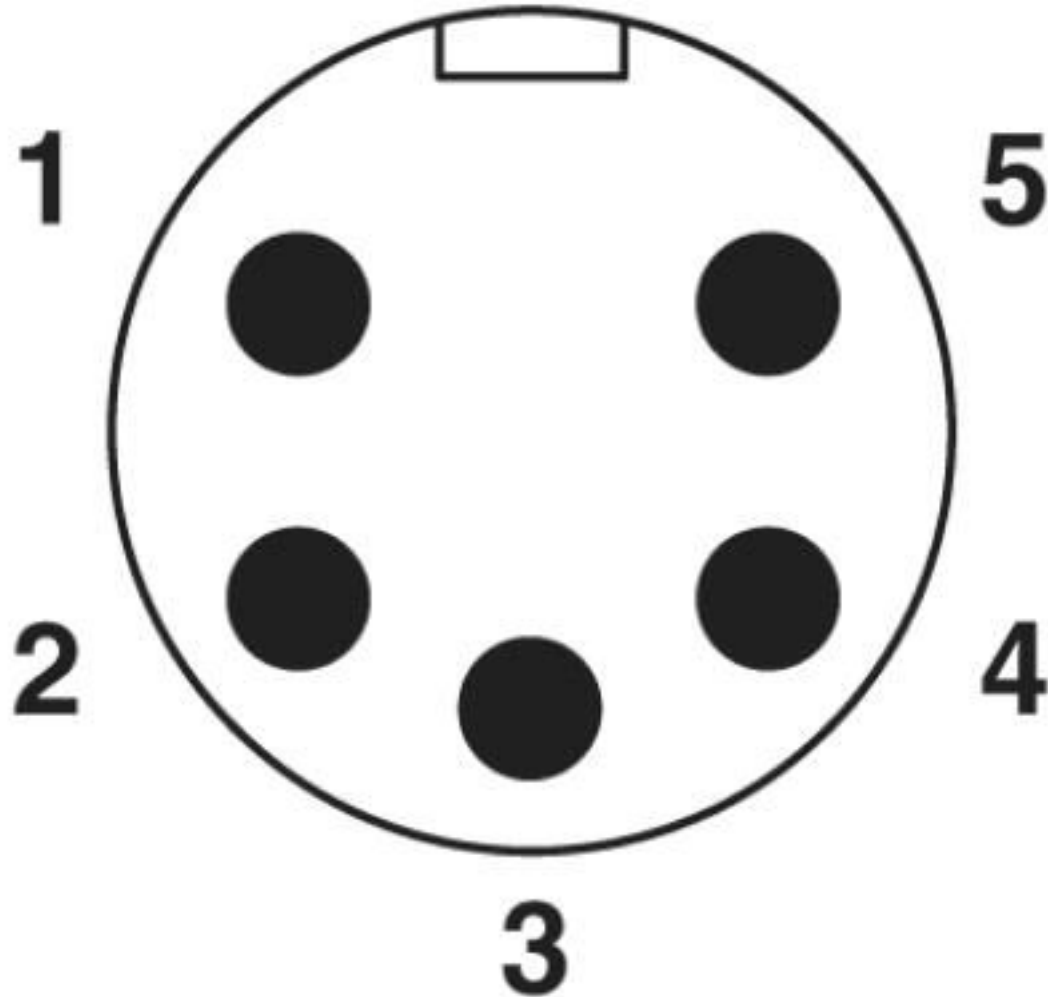
Circuit diagram



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

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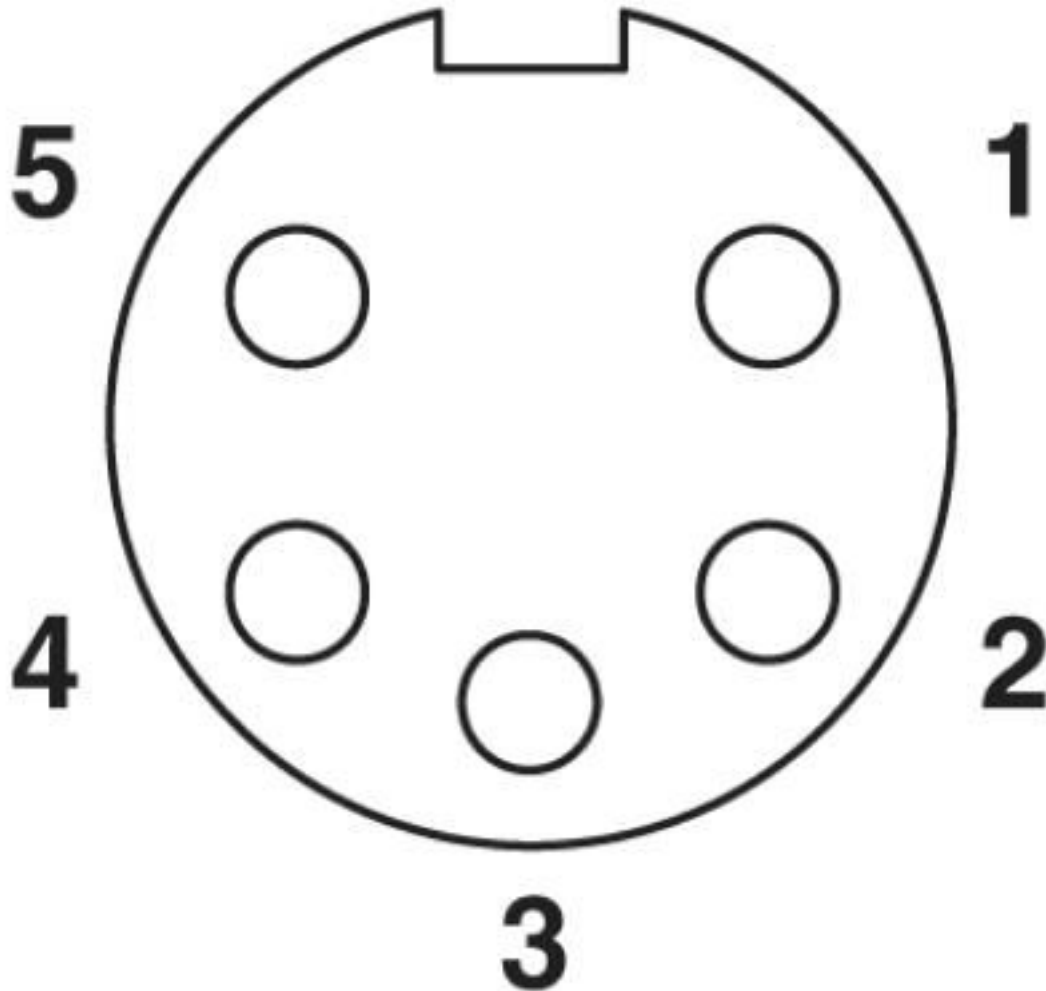
Schematic diagram



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

## Power cable - SAC-5P-MINMS/1,0-430/MINFS PWR - 1443420

Schematic diagram



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