

## Power cable - SAC-5P-MINMS/1,5-430/MINFS PWR - 1443433

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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: 1.5 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

RoHS

### Key Commercial Data

|              |                                                                                      |
|--------------|--------------------------------------------------------------------------------------|
| Packing unit | 1 STK                                                                                |
| GTIN         |  |
| GTIN         | 4046356536998                                                                        |

### Technical data

#### Dimensions

|                 |       |
|-----------------|-------|
| Length of cable | 1.5 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 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                                                       | $\geq 10 \text{ M}\Omega$ |
| 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 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                                           |

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Technical data

Cable

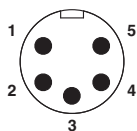
|                                 |                                                |
|---------------------------------|------------------------------------------------|
| Flame resistance                | UL 1581, Sec. 1061 (Cable Flame)               |
|                                 | IEC 60332-1-2                                  |
| Resistance to oil               | good oil-resistance                            |
| Ambient temperature (operation) | -40 °C ... 90 °C (cable, fixed installation)   |
|                                 | -5 °C ... 90 °C (cable, flexible installation) |

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" |

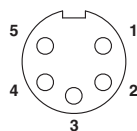
Drawings

Schematic diagram



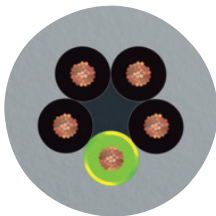
Pin assignment, plug, 7/8"-16UNF, 5-pos., view of male side

Schematic diagram



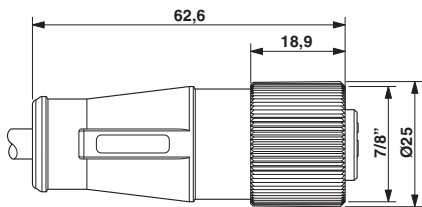
Pin assignment, socket, 7/8"-16UNF, 5-pos., view of female side

Cable cross section



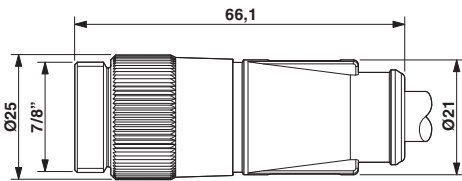
PVC gray [430]

Dimensional drawing



7/8"-16UNF socket, straight

Dimensional drawing



7/8"-16UNF plug, straight

Circuit diagram



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

## Power cable - SAC-5P-MINMS/1,5-430/MINFS PWR - 1443433

### Approvals

#### Approvals

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#### Approvals

EAC

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#### Ex Approvals

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### Approval details

|     |                                                                                   |               |
|-----|-----------------------------------------------------------------------------------|---------------|
| EAC |  | EAC-Zulassung |
|-----|-----------------------------------------------------------------------------------|---------------|

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