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# Power cable - SAC-5P-MINMS/1,5-441/MINFS PWR - 1419852

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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, 2.5 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         | <br>4 046356 537605 |

## 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        | 13 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 |

### Cable

|   |  |
|---|--|
| Cable type                                    | PUR/PVC gray                                     |
| Cable abbreviation                            | 11Y-JZ   |
| AWG signal line                               | 14   |
| 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                       | 10.80 mm   |
| Smallest bending radius, fixed installation   | 81 mm  |
| Smallest bending radius, movable installation | 162 mm   |
| Cable weight                                  | 195 kg/km  |
| Outer sheath, material                        | PUR  |
| Conductor material                            | Bare Cu litz wires                               |
| Flame resistance                              | in acc. to UL VW1                                |
|   | IEC 60332-1-2                                    |
| Ambient temperature (operation)               | -40 °C ... 90 °C (cable, fixed installation)     |
|   | 5 °C ... 90 °C (cable, flexible installation)    |

### Standards and Regulations

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

### 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 |

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## Classifications

### eCl@ss

|            |          |
|------------|----------|
| 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

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#### Approvals

UL Listed / cUL Listed / EAC / cULus Listed

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#### Ex Approvals

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#### Approvals submitted

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## Approval details

|                    |       |
|--------------------|-------|
| UL Listed          |       |
| Nominal current IN | 13 A  |
| Nominal voltage UN | 600 V |

# Power cable - SAC-5P-MINMS/1,5-441/MINFS PWR - 1419852

## Approvals

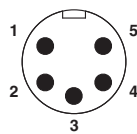
|                    |       |
|--------------------|-------|
| cUL Listed         |       |
| Nominal current IN | 13 A  |
| Nominal voltage UN | 600 V |

|     |
|-----|
| EAC |
|-----|

|              |
|--------------|
| cULus Listed |
|--------------|

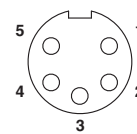
## Drawings

Schematic diagram



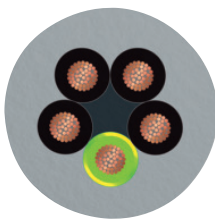
Pin assignment, plug, 7/8"-16UNF, 5-pos., view of male side

Schematic diagram



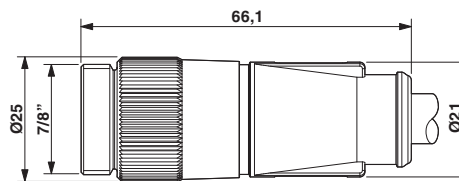
Pin assignment, socket, 7/8"-16UNF, 5-pos., view of female side

Cable cross section



PUR/PVC gray [441]

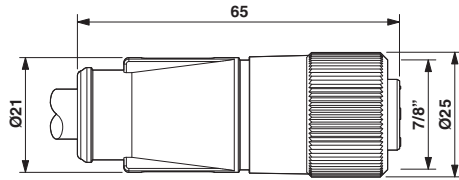
Dimensional drawing



7/8"-16UNF plug, straight

## Power cable - SAC-5P-MINMS/1,5-441/MINFS PWR - 1419852

Dimensional drawing



Circuit diagram



7/8"-16UNF socket, straight

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

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