

## Power cable - SAC-6P-MINMS/ 1,0-U20/MINFS - 1416624

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Power cable, 6-position, PVC, yellow, Plug straight 7/8"-16UNF, on Socket straight 7/8"-16UNF, cable length: 1 m

### Why buy this product

- Easy and safe: 100% electrically tested plug-in components
- High-performance: connectors and cables with a large conductor cross section for power supply

### Key Commercial Data

|              |   |
|--------------|---|
| Packing unit | 1 STK   |
| GTIN         | <br>4 055626 223209 |
| GTIN         | 4055626223209   |

### Technical data

#### Dimensions

|                 |     |
|-----------------|-----|
| Length of cable | 1 m |
|-----------------|-----|

#### Ambient conditions

|                                 |                                   |
|---------------------------------|-----------------------------------|
| Ambient temperature (operation) | -20 °C ... 105 °C (Plug / socket) |
| Degree of protection            | IP68                              |

#### General

|                       |                      |
|-----------------------|----------------------|
| Rated current at 40°C | 8 A                  |
| Rated voltage         | 600 V AC<br>600 V DC |
| Number of positions   | 6                    |
| Color handle area     | yellow               |
| Insulation resistance | ≥ 100 MΩ             |
| Coding                | A - standard         |
| Status display        | No                   |

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## Technical data

### General

|                              |                         |
|------------------------------|-------------------------|
| Protective circuit/component | Unwired                 |
| Insertion/withdrawal cycles  | 100                     |
| Torque                       | 10 lb <sub>F</sub> -in. |
|                              | 1.12 Nm                 |

### Material

|                          |                   |
|--------------------------|-------------------|
| Contact material         | CuZn              |
| Contact surface material | AU                |
| Contact carrier material | PVC               |
| Material of grip body    | PVC               |
| Material, knurls         | Anodized aluminum |

### Cable

|   |  |
|---|--|
| Cable type                                    | Yellow, STOOW                                      |
| Cable abbreviation                            | U20  |
| AWG signal line                               | 16   |
| Conductor cross section signal conductor      | 6 x AWG 16   |
| Conductor cross section voltage supply        | 65 x AWG 32  |
| Wire colors                                   | White 1, red 2, green 3, orange 4, black 5, blue 6 |
| External sheath, color                        | yellow   |
| External cable diameter                       | 13.70 mm   |
| Minimum bending radius, fixed installation    | 4 x D  |
| Minimum bending radius, flexible installation | 12.5 x D   |
| Outer sheath, material                        | PVC  |
| Conductor material                            | Bare Cu litz wires                                 |
| Nominal voltage, cable                        | 600 V  |
| Flame resistance                              | UL 1581, FT2                                       |
| Resistance to oil                             | Premium oil resistance (jacket and conductor)      |
| Other resistance                              | UV resistant (720 h) UL 2556                       |
| Ambient temperature (operation)               | -40 °C ... 105 °C (cable, fixed installation)      |
|   | -30 °C ... 105 °C (cable, flexible installation)   |

### Standards and Regulations

|                   |   |
|-------------------|---|
| Flame resistance  | UL 1581, FT2                                  |
| Resistance to oil | Premium oil resistance (jacket and conductor) |
| Other resistance  | UV resistant (720 h) UL 2556                  |

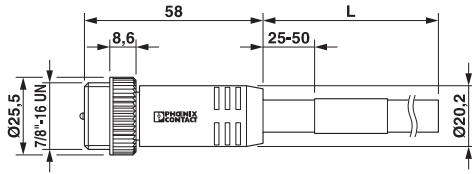
### Environmental Product Compliance

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

## Drawings

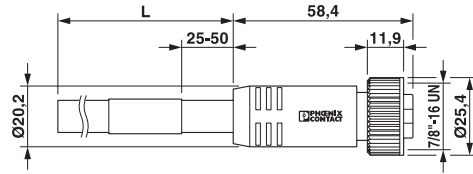
# Power cable - SAC-6P-MINMS/ 1,0-U20/MINFS - 1416624

Dimensional drawing



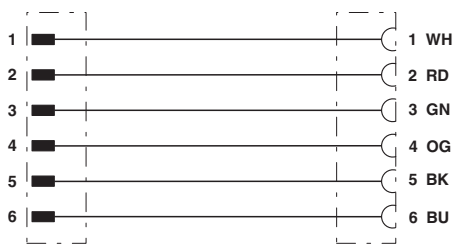
7/8"-16UNF plug, straight

Dimensional drawing

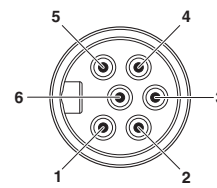


7/8"-16UNF socket, straight

Circuit diagram



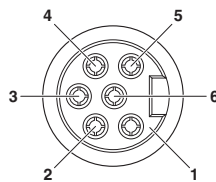
Schematic diagram



Pin assignment, plug, 7/8"-16UNF, 6-pos., view of male side

Contact assignment of 7/8" plugs/sockets

Schematic diagram



Pin assignment, socket, 7/8"-16UNF, 6-pos., view of female side

## Approvals

### Approvals

Approvals

UL Listed / cUL Listed / cULus Listed

Ex Approvals

### Approval details

UL Listed



<http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm>

FILE E 221474

## Power cable - SAC-6P-MINMS/ 1,0-U20/MINFS - 1416624

### Approvals

|            |   |   |               |
|------------|---|---|---------------|
| cUL Listed |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 221474 |
|------------|---|---|---------------|

|              |   |   |
|--------------|---|---|
| cULus Listed |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> |
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