

## Power cable - SAC-3P-MINMR/ 1,0-547/MINFR - 1416466

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Power cable, 3-position, PVC, yellow, Plug angled 7/8"-16UNF, A - standard, on Socket angled 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 220826 |
| GTIN         | 4055626220826   |

### 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 | 13 A                 |
| Rated voltage         | 300 V AC<br>300 V DC |
| Number of positions   | 3                    |
| 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                               | ITC/PLTC   |
| Cable abbreviation                       | 547  |
| AWG signal line                          | 18   |
| Conductor cross section signal conductor | 3 x AWG 18                                       |
| Conductor cross section voltage supply   | 41 x AWG 34                                      |
| Wire colors                              | Black 1, blue 2, grey 3, brown 4, white 5        |
| External sheath, color                   | yellow   |
| External cable diameter                  | 5.70 mm  |
| Outer sheath, material                   | PVC  |
| Conductor material                       | Bare Cu litz wires                               |
| Nominal voltage, cable                   | 300 V  |
| Flame resistance                         | UL 1581, FT4                                     |
| 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, FT4                 |
| 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

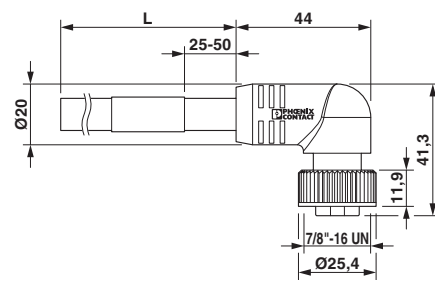
# Power cable - SAC-3P-MINMR/ 1,0-547/MINFR - 1416466

Dimensional drawing



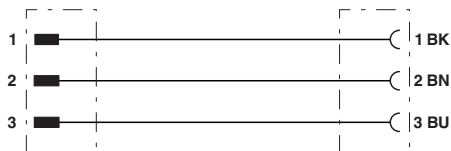
7/8"-16UNF plug, angled

Dimensional drawing



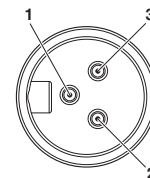
7/8"-16UNF socket, angled

Circuit diagram



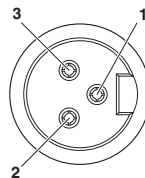
Contact assignment of 7/8" plugs/sockets

Schematic diagram



Pin assignment, plug, 7/8"-16UNF, 3-pos., view of male side

Schematic diagram



Pin assignment, socket, 7/8"-16UNF, 3-pos., view of female side

## Approvals

### Approvals

Approvals


UL Listed / cUL Listed / cULus Listed

Ex Approvals


### Approval details

## Power cable - SAC-3P-MINMR/ 1,0-547/MINFR - 1416466

### Approvals

|           |   |   |               |
|-----------|---|---|---------------|
| UL 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 |
|-----------|---|---|---------------|

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