



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## Power cable - SAC-3P-10,0-U20/MINFS - 1416778

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Power cable, 3-position, PVC, yellow, free cable end, A - standard, on Socket straight 7/8"-16UNF, A - standard, cable length: 10 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

RoHS

### Key Commercial Data

|              |                                                                                                         |
|--------------|---------------------------------------------------------------------------------------------------------|
| Packing unit | 1 STK                                                                                                   |
| GTIN         | <br>4 055626 223476 |
| GTIN         | 4055626223476                                                                                           |

### Technical data

#### Dimensions

|                 |      |
|-----------------|------|
| Length of cable | 10 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         | 600 V AC     |
|                       | 600 V DC     |
| Number of positions   | 3            |
| Color handle area     | yellow       |
| Insulation resistance | ≥ 100 MΩ     |
| Coding                | A - standard |
| Status display        | No           |

# Power cable - SAC-3P-10,0-U20/MINFS - 1416778

## 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      | 3 x AWG 16                                       |
| Conductor cross section voltage supply        | 65 x AWG 32                                      |
| Wire colors                                   | Green 1, black 2, white 3                        |
| External sheath, color                        | yellow                                           |
| External cable diameter                       | 10.40 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                  |

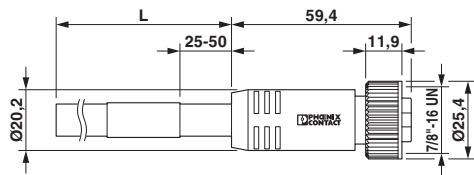
### Environmental Product Compliance

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

## Drawings

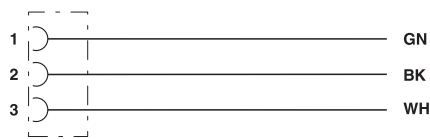
Power cable - SAC-3P-10,0-U20/MINFS - 1416778

Dimensional drawing



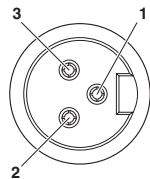
7/8"-16UNF socket, straight

Circuit diagram



Contact assignment of 7/8" socket

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

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

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