

## Power cable - SAC-4P-MINMS/ 5,0-U20/MINFS - 1416815

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Power cable, 4-position, PVC, yellow, Plug straight 7/8"-16UNF, on Socket straight 7/8"-16UNF, Cable length: 5 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    |
| Weight per Piece (excluding packing) | 1.000 g  |
| Custom tariff number                 | 85444290 |
| Country of origin                    | Mexico   |

### Technical data

#### Dimensions

|                 |     |
|-----------------|-----|
| Length of cable | 5 m |
|-----------------|-----|

#### Ambient conditions

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

#### General

|                             |          |
|-----------------------------|----------|
| Rated current at 40°C       | 10 A     |
| Rated voltage               | 600 V    |
| Number of positions         | 4        |
| Insulation resistance       | ≥ 100 MΩ |
| Insertion/withdrawal cycles | 100      |

# Power cable - SAC-4P-MINMS/ 5,0-U20/MINFS - 1416815

## Technical data

### General

|        |                             |
|--------|-----------------------------|
| Torque | 10 lb <sub>F</sub> -in. ( ) |
|--------|-----------------------------|

### Material

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

### Cable

|   |   |
|---|---|
| Cable type                                    | Yellow, STOOW                                 |
| Cable abbreviation                            | U20   |
| AWG signal line                               | 16  |
| Conductor cross section signal conductor      | 4 x AWG 16                                    |
| Conductor cross section voltage supply        | 65 x AWG 32                                   |
| Wire colors                                   | Black 1, white 2, red 3, green 4              |
| External sheath, color                        | yellow  |
| External cable diameter                       | 10.70 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                                  |
|   | CSA FT2                                       |
| Resistance to oil                             | Premium oil resistance (jacket and conductor) |

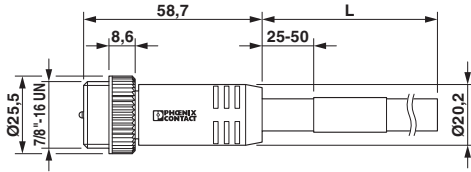
### Standards and Regulations

|                   |   |
|-------------------|---|
| Resistance to oil | Premium oil resistance (jacket and conductor) |
| Flame resistance  | UL 1581, FT2                                  |
|                   | CSA FT2                                       |

### Drawings

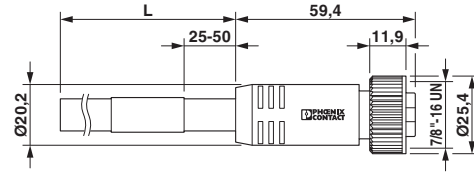
# Power cable - SAC-4P-MINMS/ 5,0-U20/MINFS - 1416815

Dimensional drawing



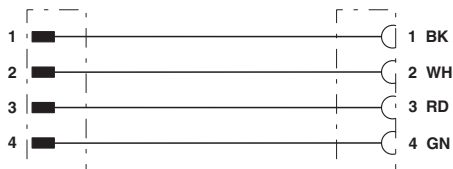
7/8"-16UNF plug, straight

Dimensional drawing



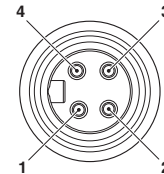
7/8"-16UNF socket, straight

Circuit diagram



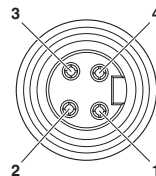
Contact assignment of the 7/8" connector and the 7/8" socket

Schematic diagram



Plug pin assignment for 7/8"-16UNF plug, 5-pos.

Schematic diagram



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

## Approvals

Approvals

Approvals


UL Listed / cUL Listed / cULus Listed


Ex Approvals


Approval details

## Power cable - SAC-4P-MINMS/ 5,0-U20/MINFS - 1416815

### 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 |
|------------|---|---|---------------|

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

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Sensor Cables / Actuator Cables](#) category:*

*Click to view products by [Phoenix Contact](#) manufacturer:*

Other Similar products are found below :

[1300070444](#) [43-10984](#) [M83513/19-F01CP](#) [704000D02F120](#) [MDM15SH001K](#) [MDM25PH003BF222](#) [802027107404-1](#) [885030A09M010](#)  
[885030A09M020](#) [1200650174](#) [1200651332](#) [1200651713](#) [1200660171](#) [1200660208](#) [1200660343](#) [1200660804](#) [1200660845](#) [1200660926](#)  
[1200660977](#) [1200661173](#) [1200661354](#) [120066-1712](#) [1200720053](#) [1200720099](#) [1200720153](#) [1200720172](#) [1200720217](#) [1200720226](#)  
[1200720251](#) [1200720285](#) [1200720296](#) [1200720404](#) [1200730148](#) [1200730378](#) [1200800231](#) [1200860112](#) [1200860121](#) [1200860125](#)  
[1200860337](#) [1200860365](#) [1200860420](#) [1200870046](#) [1200870123](#) [1200870248](#) [1200980102](#) [1200660181](#) [1200660183](#) [1200660827](#)  
[1200660849](#) [1200661170](#)