

## Power cable - SAC-4P-MINMR/ 1,0-U20/MINFS - 1416540

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Power cable, 4-position, PVC, yellow, Plug angled 7/8"-16UNF, A - standard, 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

RoHS

### Key Commercial Data

|                      |          |
|----------------------|----------|
| Packing unit         | 1 STK    |
| Custom tariff number | 85444290 |
| Country of origin    | Mexico   |

### 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        | 10 A     |
| Rated voltage                | 600 V    |
| Number of positions          | 4        |
| Insulation resistance        | ≥ 100 MΩ |
| Status display               | No       |
| Protective circuit/component | Unwired  |

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### Technical data

#### General

|                             |                         |
|-----------------------------|-------------------------|
| 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      | 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                                  |
| Resistance to oil                             | Premium oil resistance (jacket and conductor) |
| Other resistance                              | UV resistant (720 h)                          |

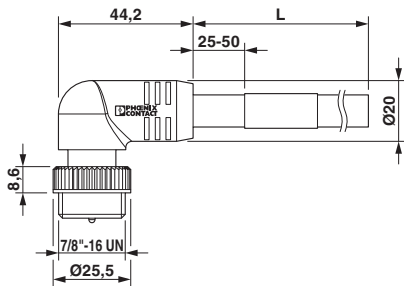
#### Standards and Regulations

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

### Drawings

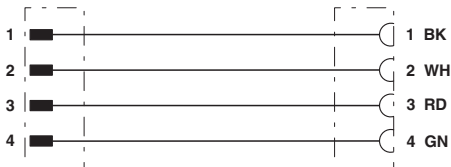
Power cable - SAC-4P-MINMR/ 1,0-U20/MINFS - 1416540

Dimensional drawing



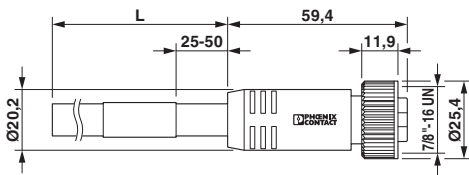
7/8"-16UNF plug, angled

Circuit diagram



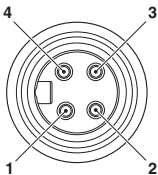
Contact assignment of 7/8" plugs/sockets

Dimensional drawing



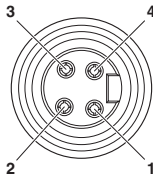
7/8"-16UNF socket, straight

Schematic diagram



Pin assignment, plug, 7/8"-16UNF, 4-pos., view of male side

Schematic diagram



Pin assignment, socket, 7/8"-16UNF, 4-pos., view of female side

Classifications

eCl@ss

|            |          |
|------------|----------|
| eCl@ss 5.1 | 27061801 |
| eCl@ss 6.0 | 27061801 |
| eCl@ss 8.0 | 27279218 |
| eCl@ss 9.0 | 27060311 |

ETIM

|          |          |
|----------|----------|
| ETIM 5.0 | EC001855 |
| ETIM 6.0 | EC001855 |

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### Classifications

#### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 13.2 | 31251501 |
|-------------|----------|

### Accessories

#### Accessories

#### Conductor marking

Insert label - PABA WH/15 - 1013151



Insert label, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, Mounting type: Thread on, Cable diameter: 0.6-50 mm, Lettering field: 15 x 4 mm

Insert label - PABA YE/15 - 1013698



Insert label, Strip, yellow, unlabeled, can be labeled with: CMS-P1-PLOTTER, Mounting type: Thread on, Cable diameter: 0.6-50 mm, Lettering field: 15 x 4 mm

Insert label - PABA RD/15 - 1013944



Insert label, Strip, red, unlabeled, can be labeled with: CMS-P1-PLOTTER, Mounting type: Thread on, Cable diameter: 0.6-50 mm, Lettering field: 15 x 4 mm

### Marker carrier cable

Conductor marker carrier - PATO 2/15 - 1013122



Conductor marker carrier, transparent, unlabeled, Mounting type: clip on, Cable diameter: 2.8-4.4 mm, Lettering field: 4 x 15 mm

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### Accessories

Conductor marker carrier - PATO 3/15 - 1013135



Conductor marker carrier, transparent, unlabeled, Mounting type: clip on, Cable diameter: 4.4-6.7 mm, Lettering field: 4 x 15 mm

Conductor marker carrier - PATO 4/15 - 1013148



Conductor marker carrier, transparent, unlabeled, Mounting type: clip on, Cable diameter: 6.7-10 mm, Lettering field: 4 x 15 mm

### Marker pen

Marker pen - B-STIFT - 1051993



Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm

### Protective cap

Sealing cap - PROT-MINFS-PA-CHAIN - 1430912

7/8" sealing cap made of plastic with fixing band, for sensor cables, for 7/8" connectors



Screw plug - PROT-MINMS-PA-CHAIN - 1430925

7/8" sealing cap made of plastic with fixing band, for sensor cables, for 7/8" sockets



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### Accessories

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#### Screwdriver tools

Adapter insert - TSD-M SAC-BIT ADAPTER - 1212600



Adapter bit for TSD-M...torque tools, E6.3-1/4" drive with 4 mm hexagon to accommodate SAC bits

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Tool - SAC BIT MIN-D25 - 1212512



Nut for assembling 7/8" connectors with a knurl diameter of 25 mm, with 4 mm hexagonal drive

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#### Torque tool

Torque screwdriver - TSD 08 SAC - 1212597



Torque screw driver with preset torque of 0.8 Nm, with 4 mm hexagon for accommodating SAC bits, two-component handle with non-slip grip

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Torque screwdriver - TSD-M 1,2NM - 1212224



Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 0.3 - 1.2 Nm

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