

Power cable - SAC-5P-MINMR/1,0-441/MINFR PWR - 1419894

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Power cable, 5-position, PUR, Gray RAL 7001, Plug angled 7/8"-16UNF, on Socket angled 7/8"-16UNF, Cable length: 1 m, 2.5 mm² conductor cross section, For power supply

Why buy this product

- ✓ Easy and safe: 100% electrically tested plug-in components
- ✓ Robust connectors in size 7/8"-16UNF
- ✓ High-performance: connectors and cables with a large conductor cross section for power supply



Key commercial data

| | |
|--------------------------------------|---|
| Packing unit | 1 pc |
| GTIN |  4 046356 537643 |
| Weight per Piece (excluding packing) | 293.8 g |
| Custom tariff number | 85444290 |
| Country of origin | Germany |
| Note | Made to Order (non-returnable) |

Technical data

Dimensions

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

Ambient conditions

| | |
|---------------------------------|----------------------------------|
| Ambient temperature (operation) | -40 °C ... 90 °C (Plug / socket) |
| Degree of protection | IP65 |
| | IP67 |
| | IP68 |

General

| | |
|-----------------------|--------|
| Rated current at 40°C | 13 A |
| Rated voltage | 600 V |
| Number of positions | 5 |
| Contact resistance | ≤ 5 mΩ |

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Technical data

General

| | |
|---|------------------|
| Insulation resistance | ≥ 10 MΩ |
| Coding | A - standard |
| Status display | No |
| Protective circuit/component | Unwired |
| Surge voltage category | II |
| Pollution degree | 3 |
| Structure of individual litz in acc. with VDE 0295 / smallest wire diameter | VDE 0295 class 5 |
| Insertion/withdrawal cycles | 100 |

Material

| | |
|---|------------------------------|
| Inflammability class according to UL 94 | HB |
| Contact material | CuZn |
| Contact surface material | AU |
| Contact carrier material | PA 66 |
| Material of grip body | TPU |
| Material, knurls | Zinc die-cast, nickel-plated |

Cable

| | |
|---|--|
| Cable type | PUR/PVC gray |
| Cable abbreviation | 11Y-JZ |
| AWG signal line | 14 |
| Wire colors | Black 1, black 2, black 3, black 4, green/yellow |
| Overall twist | 5 cores, twisted |
| External sheath, color | Gray RAL 7001 |
| External cable diameter | 10.80 mm |
| Smallest bending radius, fixed installation | 81 mm |
| Smallest bending radius, movable installation | 162 mm |
| Cable weight | 195 kg/km |
| Outer sheath, material | PUR |
| Conductor material | Bare Cu litz wires |
| Flame resistance | in acc. to UL VW1 |
| | IEC 60332-1-2 |
| Ambient temperature (operation) | -40 °C ... 90 °C (cable, fixed installation) |
| | 5 °C ... 90 °C (cable, flexible installation) |

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27060306 |
| eCl@ss 4.1 | 27060306 |
| eCl@ss 5.0 | 27061801 |
| eCl@ss 5.1 | 27061801 |

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Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 6.0 | 27279218 |
| eCl@ss 7.0 | 27279218 |

ETIM

| | |
|----------|----------|
| ETIM 2.0 | EC000830 |
| ETIM 3.0 | EC001855 |
| ETIM 4.0 | EC001855 |
| ETIM 5.0 | EC001855 |

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 31251501 |
| UNSPSC 7.0901 | 31251501 |
| UNSPSC 11 | 31251501 |
| UNSPSC 12.01 | 31251501 |
| UNSPSC 13.2 | 31251501 |

Approvals

Approvals


Approvals

UL Listed / cUL Listed / EAC / cULus Listed

Ex Approvals


Approvals submitted

Approval details


| | |
|---|-------|
| UL Listed  | |
| Nominal current I _N | 13 A |
| Nominal voltage U _N | 600 V |

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Approvals

| | |
|--|-------|
| cUL Listed  | |
| | |
| Nominal current I _N | 13 A |
| Nominal voltage U _N | 600 V |

| |
|-----|
| EAC |
|-----|

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

Accessories

Accessories

Conductor marking

Insert label - PABA WH/15 - 1013151



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

Marker carrier cable

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Accessories

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

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

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Accessories

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

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



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

Adapter - SAC BIT MIN-D25 - 1212512



SAC nut, for assembling 7/8" connectors, with 4 mm hexagonal drive

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

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

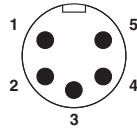


Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 0.3 - 1.2 Nm

Drawings

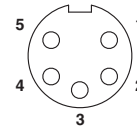
Power cable - SAC-5P-MINMR/1,0-441/MINFR PWR - 1419894

Schematic diagram



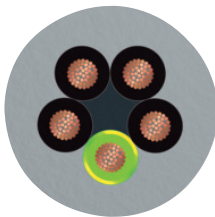
Pin assignment, plug, 7/8"-16UNF, 5-pos., view of male side

Schematic diagram



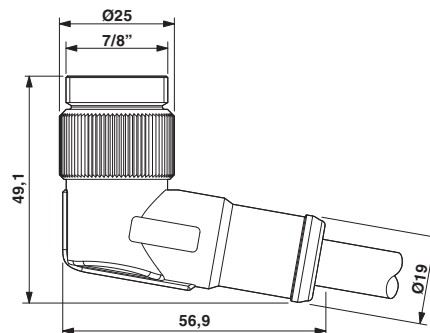
Pin assignment, socket, 7/8"-16UNF, 5-pos., view of female side

Cable cross section



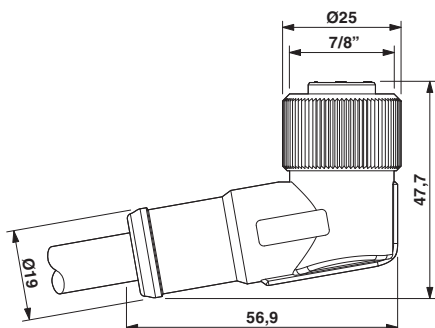
PUR/PVC gray [441]

Dimensioned drawing



7/8"-16UNF plug, angled

Dimensioned drawing



7/8"-16UNF socket, angled

Circuit diagram



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