

Power cable - SAC-5P- 3,0-440/MINFS PWR - 1443718

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Power cable, 5-position, PUR, Gray RAL 7001, free cable end, on Socket straight 7/8"-16UNF, Cable length: 3 m, 1.5 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 537285 |
| Weight per Piece (excluding packing) | 222.22 g |
| Custom tariff number | 85444290 |
| Country of origin | Germany |
| Note | Made to Order (non-returnable) |

Technical data

Dimensions

| | |
|-----------------|-----|
| Length of cable | 3 m |
|-----------------|-----|

Ambient conditions

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

General

| | |
|-----------------------|--------|
| Rated current at 40°C | 10 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 type (abbreviation) | 440 |
| UL AWM style | 20234 (80 °C / 600 V) |
| Conductor cross section | 5x 1.5 mm ² |
| AWG signal line | 16 |
| Conductor structure, voltage supply | 30x 0.25 mm |
| 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 D | 9.7 mm ±0.2 mm |
| Minimum bending radius, fixed installation | 7.5 x D |
| Minimum bending radius, flexible installation | 15 x D |
| Cable weight | 140 kg/km |
| Outer sheath, material | PUR |
| Material conductor insulation | PVC |
| Conductor material | Bare Cu litz wires |
| Conductor resistance | 13.3 Ω/km |
| Nominal voltage, cable | 500 V AC |
| Test voltage, cable | 4000 V AC |
| Flame resistance | According to EN 60332-1-2 |
| | in acc. to UL VW1 |
| | According to CSA FT1 |
| Resistance to oil | According to HD 22.10 |
| | according to VDE 0282 Part 10 |

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Technical data

Cable

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

EAC

Ex Approvals

Approvals submitted

Approval details

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Approvals

EAC

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

Cutting tools

Diagonal cutter - CUTFOX-S VDE - 1212207



Diagonal cutter for copper and aluminum conductors, VDE-tested

Marker carrier cable

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Accessories

Conductor marker carrier - PATG 2/15 - 1013038



Conductor marker carrier, transparent, unlabeled, Mounting type: slide on, Cable diameter: 2-4 mm, Lettering field: 4 x 15 mm

Conductor marker carrier - PATG 3/15 - 1013041



Conductor marker carrier, transparent, unlabeled, Mounting type: slide on, Cable diameter: 4-7 mm, Lettering field: 4 x 15 mm

Conductor marker carrier - PATG 4/15 - 1013054



Conductor marker carrier, transparent, unlabeled, Mounting type: slide on, Cable diameter: 6-10 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

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

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Accessories

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

Stripping tool

Stripping tool - WIREFOX SAC-1 - 1212757



Stripping pliers, for halogen-free sensor/actuator cables (SAC cables), with PUR and PVC insulation, from \varnothing of 3.2 to 4.4 mm, any stripping length

Stripping tool - WIREFOX SAC - 1212623



Stripping pliers, for halogen-free sensor/actuator cables (SAC cables), with PUR and PVC insulation, from \varnothing of 4.4 to 7 mm, any stripping length

Stripping tool - WIREFOX 10 - 1212150



Stripping tool, for cables and conductors from 0.02 - 10 mm², self-adjusting, stripping length of up to 18 mm, cutting capacity of up to 10 mm² stranded/1.5 mm² solid, replaceable stripping blade

Torque tool

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Accessories

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

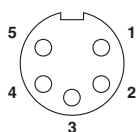
Torque screwdriver - TSD-M 1,2NM - 1212224



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

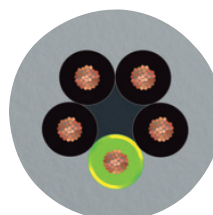
Drawings

Schematic diagram



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

Cable cross section



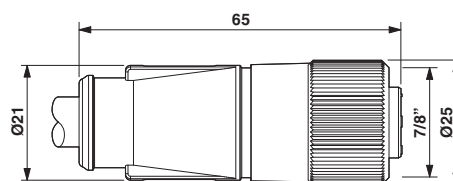
PUR/PVC gray [440]

Circuit diagram



Contact assignment of 7/8" socket

Dimensioned drawing



7/8"-16UNF socket, straight