

1443734

<https://www.phoenixcontact.com/us/products/1443734>

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Power cable, 5-position, PUR, gray RAL 7001, free cable end, on Socket straight 7/8"-16UNF, coding: A, cable length: 7.5 m, 1.5 mm<sup>2</sup> conductor cross section, For power supply

Your advantages

- Easy and safe: 100 % electrically tested plug-in components
- High-performance: connectors and cables with a large conductor cross section for power supply

Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 1443734                        |
| Packing unit                         | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | B22                            |
| Product key                          | BF1FDA                         |
| Catalog page                         | Page 276 (C-4-2015)            |
| GTIN                                 | 4046356537308                  |
| Weight per piece (including packing) | 1,100 g                        |
| Weight per piece (excluding packing) | 1,100 g                        |
| Customs tariff number                | 85444290                       |
| Country of origin                    | DE                             |

# SAC-5P- 7,5-440/MINFS PWR - Power cable



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## Technical data

### Product properties

|                      |                       |
|----------------------|-----------------------|
| Product type         | Sensor/actuator cable |
| Application          | Power supply          |
| Number of positions  | 5                     |
| No. of cable outlets | 1                     |
| Shielded             | no                    |
| Coding               | A                     |

### Insulation characteristics

|                      |    |
|----------------------|----|
| Overvoltage category | II |
| Degree of pollution  | 3  |

### Material specifications

|                                        |                              |
|----------------------------------------|------------------------------|
| Flammability rating according to UL 94 | HB                           |
| Material of grip body                  | TPU                          |
| Contact material                       | CuZn                         |
| Contact surface material               | Au                           |
| Contact carrier material               | PA 6.6                       |
| Material for screw connection          | Zinc die-cast, nickel-plated |

### Electrical properties

|                       |                           |
|-----------------------|---------------------------|
| Rated surge voltage   | 4000 V                    |
| Insulation resistance | $\geq 10 \text{ M}\Omega$ |
| Nominal voltage $U_N$ | 63 V DC                   |
| Nominal current $I_N$ | 10 A                      |

### Mechanical properties

#### Mechanical data

|                             |     |
|-----------------------------|-----|
| Insertion/withdrawal cycles | 100 |
|-----------------------------|-----|

### Signaling

|                        |    |
|------------------------|----|
| Status display         | No |
| Status display present | No |

### Connector

#### Connection 1

|      |                |
|------|----------------|
| Type | free cable end |
|------|----------------|

#### Connection 2

|                     |                            |
|---------------------|----------------------------|
| Type                | Socket straight 7/8"-16UNF |
| Number of positions | 5                          |
| Coding type         | A                          |

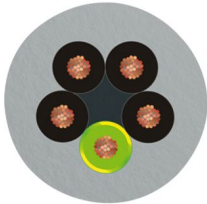
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## Cable/line

|                                               |                                                                                               |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------|
| Cable length                                  | 7.5 m                                                                                         |
| PUR/PVC gray [440]                            |                                                                                               |
| Dimensional drawing                           |             |
| Cable weight                                  | 140 kg/km                                                                                     |
| UL AWM Style                                  | 20234 (80 °C / 600 V)                                                                         |
| Number of positions                           | 5                                                                                             |
| Shielded                                      | no                                                                                            |
| Cable type                                    | PUR/PVC gray [440]                                                                            |
| AWG signal line                               | 16                                                                                            |
| Conductor cross section                       | 5x 1.5 mm²                                                                                    |
| External cable diameter                       | 9.70 mm ±0.2 mm                                                                               |
| Outer sheath, material                        | PUR                                                                                           |
| External sheath, color                        | gray RAL 7001                                                                                 |
| Conductor material                            | Bare Cu litz wires                                                                            |
| Material wire insulation                      | PVC                                                                                           |
| Single wire, color                            | black 1, black 2, black 3, black 4, green/yellow                                              |
| Overall twist                                 | 5 cores, twisted                                                                              |
| Max. conductor resistance                     | 13.3 Ω/km                                                                                     |
| Nominal voltage, cable                        | 500 V AC                                                                                      |
| Test voltage                                  | 4000 V AC                                                                                     |
| Minimum bending radius, fixed installation    | 7.5 x D                                                                                       |
| Minimum bending radius, flexible installation | 15 x D                                                                                        |
| Smallest bending radius, fixed installation   | 73 mm                                                                                         |
| Smallest bending radius, movable installation | 146 mm                                                                                        |
| Flame resistance                              | in accordance with EN 60332-1-2<br>in acc. to UL VW1<br>According to CSA FT1                  |
| Resistance to oil                             | According to HD 22.10<br>according to VDE 0282 Part 10                                        |
| Ambient temperature (operation)               | -40 °C ... 90 °C (cable, fixed installation)<br>5 °C ... 90 °C (Cable, flexible installation) |

## Environmental and real-life conditions

### Ambient conditions

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|                                 |                                               |
|---------------------------------|-----------------------------------------------|
| Degree of protection            | IP65                                          |
|                                 | IP67                                          |
|                                 | IP68                                          |
| Ambient temperature (operation) | -40 °C ... 90 °C (Socket)                     |
|                                 | -40 °C ... 90 °C (cable, fixed installation)  |
|                                 | 5 °C ... 90 °C (Cable, flexible installation) |

# SAC-5P- 7,5-440/MINFS PWR - Power cable

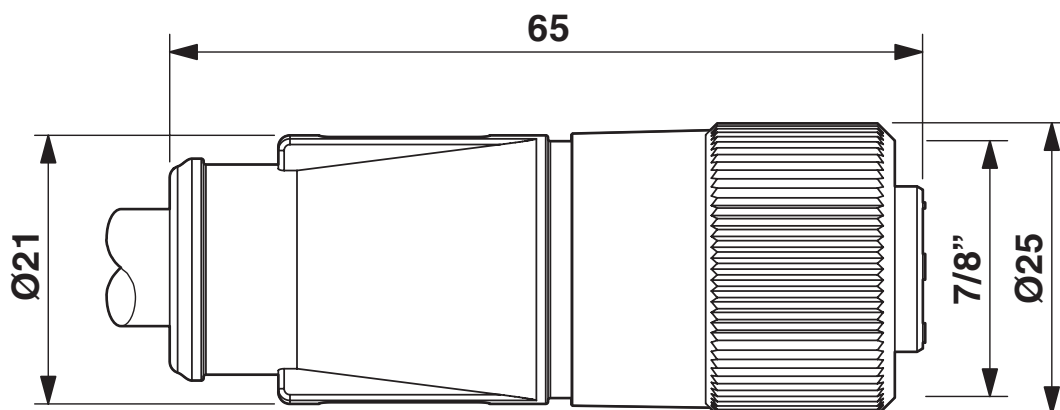


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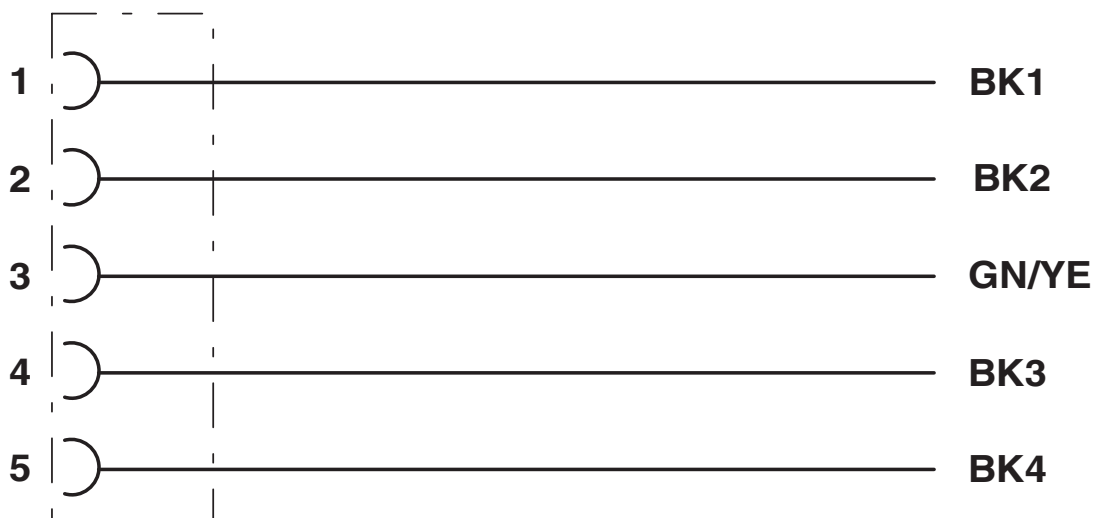
## Drawings

Dimensional drawing



7/8"-16UNF socket, straight

Circuit diagram



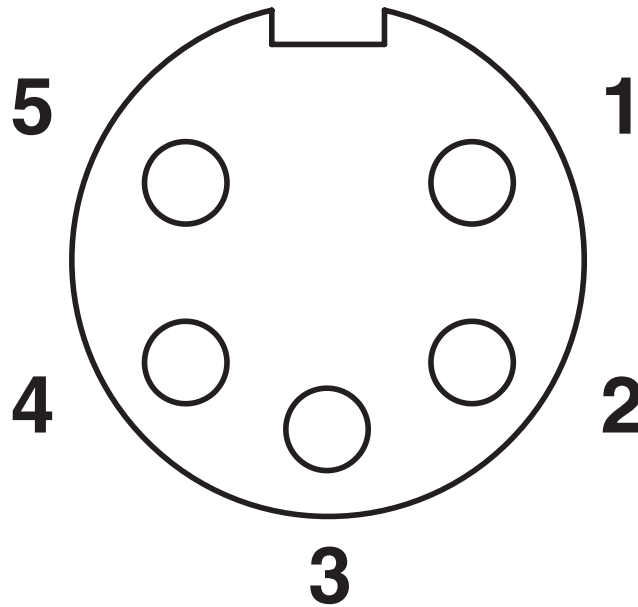
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Schematic diagram



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

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27060311 |
| ECLASS-13.0 | 27060311 |

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## Accessories

### UCT-WMT (23X4) - Conductor marker

0801453

<https://www.phoenixcontact.com/us/products/0801453>



Conductor marker, Sheet, white, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: insert, cable diameter range: 1.5 ... 35 mm, lettering field size: 23 x 4 mm, Number of individual labels: 30

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### UC-WMT (23X4) - Conductor marker

0819411

<https://www.phoenixcontact.com/us/products/0819411>



Conductor marker, Sheet, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: insert, cable diameter range: 1.5 ... 35 mm, lettering field size: 23 x 4 mm, Number of individual labels: 24

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## US-WMT (23X4) - Cable marker

0828769

<https://www.phoenixcontact.com/us/products/0828769>



Cable marker, Card, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: slide-on, cable diameter range: 1.5 ... 35 mm, lettering field size: 23 x 4 mm, Number of individual labels: 56

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## WMTW (23X4)R - Cable marker

0831004

<https://www.phoenixcontact.com/us/products/0831004>



Cable marker, Roll, white, unlabeled, can be labeled with: THERMOMARK E.300 (D)/600 (D), THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMaster 300/600, THERMOMARK X1.2, mounting type: insert, cable diameter range: 1.5 ... 35 mm, lettering field size: 23 x 4 mm, Number of individual labels: 3000

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## WP-CTA POM 13,0 BK - Protective hose adapter

1422884

<https://www.phoenixcontact.com/us/products/1422884>



Protective hose adapter, for corrugated hoses with a nominal size of 13 (10 x 13), corrugated in parallel

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## WP-PA HF 13,0 BK - Protective hose

3240681

<https://www.phoenixcontact.com/us/products/3240681>



Protective hose, material: PA 6, UV-resistant: yes, flexible, degree of protection: IP68, color: black, flammability rating in acc. with UL 94: V0, inner diameter: 10 mm, Total length: 50 m

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## WP-PA HF-HB 13,0 BK - Protective hose

3240839

<https://www.phoenixcontact.com/us/products/3240839>



Protective hose, material: PA 6, UV-resistant: yes, flexible, degree of protection: IP68, color: black, flammability rating in acc. with UL 94: HB, inner diameter: 10 mm, Total length: 50 m

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## PROT-MINMS-PA-CHAIN - Screw plug

1430925

<https://www.phoenixcontact.com/us/products/1430925>



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

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## B-STIFT - Marker pen

1051993

<https://www.phoenixcontact.com/us/products/1051993>



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

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## CUTFOX-S VDE - Diagonal cutter

1212207

<https://www.phoenixcontact.com/us/products/1212207>



Diagonal cutter for hard (piano wire) and soft wires, VDE 1000 V AC/1500 V DC tested

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## WIREFOX SAC-1 - Stripping tool

1212757

<https://www.phoenixcontact.com/us/products/1212757>



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

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## WIREFOX SAC - Stripping tool

1212623

<https://www.phoenixcontact.com/us/products/1212623>



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

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## WIREFOX 10 - Stripping tool

1212150

<https://www.phoenixcontact.com/us/products/1212150>



Stripping tool, for cables and conductors from 0.02 - 10 mm<sup>2</sup>, self-adjusting, stripping length of up to 18 mm, cutting capacity of up to 10 mm<sup>2</sup> stranded/1.5 mm<sup>2</sup> solid, replaceable stripping blade

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## TSD 08 SAC - Torque screwdriver

1212597

<https://www.phoenixcontact.com/us/products/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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## TSD-M 1,2NM - Torque screwdriver

1212224

<https://www.phoenixcontact.com/us/products/1212224>



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

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

1212600

<https://www.phoenixcontact.com/us/products/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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## SAC BIT MIN-D25 - Tool

1212512

<https://www.phoenixcontact.com/us/products/1212512>

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



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