

1416469

<https://www.phoenixcontact.com/us/products/1416469>

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Power cable, 3-position, PVC, yellow, Plug straight 7/8"-16UNF, coding: A, on free cable end, cable length: 1 m

Your advantages

- Easy and safe: 100 % electrically tested plug-in components

Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 1416469                        |
| Packing unit                         | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | BF14                           |
| Product key                          | BF1IMA                         |
| GTIN                                 | 4055626220857                  |
| Weight per piece (including packing) | 22.22 g                        |
| Weight per piece (excluding packing) | 22.22 g                        |
| Customs tariff number                | 85444290                       |
| Country of origin                    | MX                             |

# SAC-3P-MINMS/ 1,0-547 - Power cable



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## Technical data

### Notes

#### Trade restriction

|         |                                                                                                |
|---------|------------------------------------------------------------------------------------------------|
| CE note | The products are offered exclusively for export outside the EU and the European Economic Area. |
|---------|------------------------------------------------------------------------------------------------|

### Product properties

|                      |                       |
|----------------------|-----------------------|
| Product type         | Sensor/actuator cable |
| Application          | Standard              |
| Number of positions  | 3                     |
| No. of cable outlets | 1                     |
| Shielded             | no                    |
| Coding               | A                     |

### Material specifications

|                                        |                   |
|----------------------------------------|-------------------|
| Flammability rating according to UL 94 | V0                |
| Material of grip body                  | PVC               |
| Contact material                       | CuZn              |
| Contact surface material               | Au                |
| Contact carrier material               | PVC               |
| Material for screw connection          | Anodized aluminum |

### Electrical properties

|                       |                            |
|-----------------------|----------------------------|
| Insulation resistance | $\geq 100 \text{ M}\Omega$ |
| Nominal voltage $U_N$ | 300 V AC                   |
|                       | 300 V DC                   |
| Nominal current $I_N$ | 13 A                       |

### Mechanical properties

#### Mechanical data

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

### Signaling

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

### Connection data

#### Conductor connection

|                   |                         |
|-------------------|-------------------------|
| Tightening torque | 10 lb <sub>f</sub> -in. |
|                   | 1.12 Nm                 |

### Connector

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## Connection 1

|             |                          |
|-------------|--------------------------|
| Type        | Plug straight 7/8"-16UNF |
| Coding type | A                        |

## Connection 2

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

## Cable/line

|              |     |
|--------------|-----|
| Cable length | 1 m |
|--------------|-----|

## CMX-OUTDOOR-CMG [547]

|                                 |                                                  |
|---------------------------------|--------------------------------------------------|
| Number of positions             | 3                                                |
| Shielded                        | no                                               |
| Cable type                      | CMX-OUTDOOR-CMG [547]                            |
| Conductor cross section         | 3 x AWG 18                                       |
| External cable diameter         | 5.70 mm                                          |
| Outer sheath, material          | PVC                                              |
| External sheath, color          | yellow                                           |
| Conductor material              | Bare Cu litz wires                               |
| Single wire, color              | black 1, brown 2, blue 3                         |
| Nominal voltage, cable          | 300 V                                            |
| Flame resistance                | UL 1581, FT4                                     |
| Other resistance                | UV resistant (720 h) (UL 2556)                   |
| Ambient temperature (operation) | -40 °C ... 105 °C (cable, fixed installation)    |
|                                 | -30 °C ... 105 °C (Cable, flexible installation) |

## Environmental and real-life conditions

### Ambient conditions

|                                 |                                                  |
|---------------------------------|--------------------------------------------------|
| Degree of protection            | IP68                                             |
| Ambient temperature (operation) | -20 °C ... 105 °C (Plug / socket)                |
|                                 | -20 °C ... 105 °C (Plug / socket)                |
|                                 | -40 °C ... 105 °C (cable, fixed installation)    |
|                                 | -30 °C ... 105 °C (Cable, flexible installation) |

# SAC-3P-MINMS/ 1,0-547 - Power cable

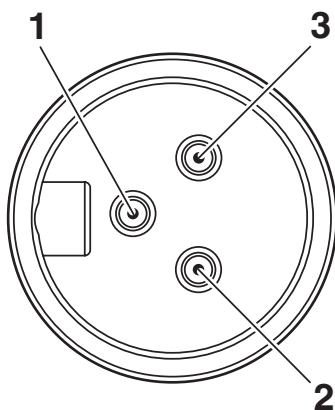


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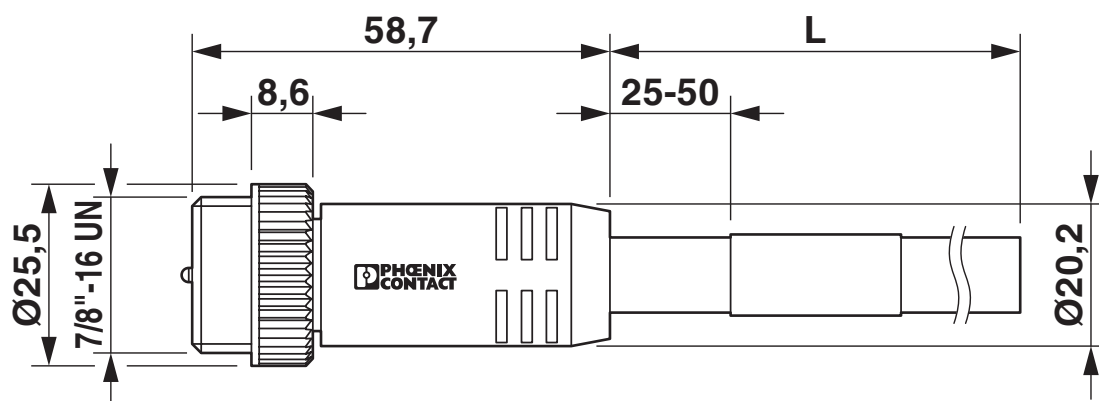
## Drawings

Schematic diagram



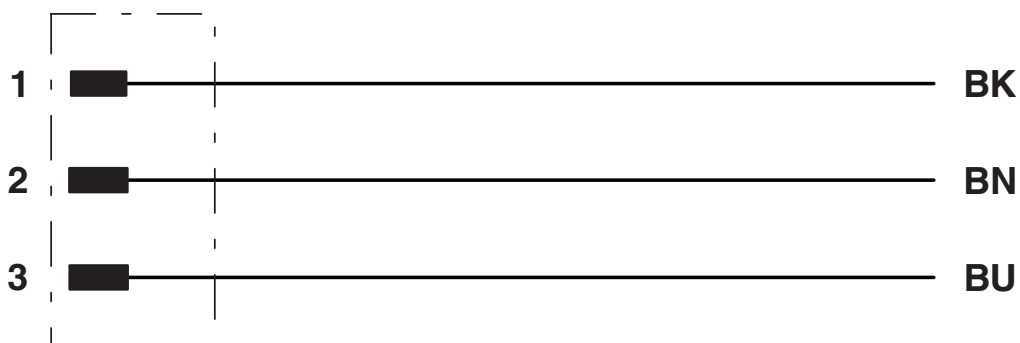
Pin assignment, plug, 7/8"-16UNF, 3-pos., view of male side

Dimensional drawing



7/8"-16UNF plug, straight

Circuit diagram



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## Approvals

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**UL Listed**  
Approval ID: FILE E 221474



**cUL Listed**  
Approval ID: FILE E 221474

**cULus Listed**

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27060311 |
| ECLASS-12.0 | 27060311 |
| ECLASS-13.0 | 27060311 |

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 31251501 |
|-------------|----------|

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## Environmental product compliance

|                                         |                                                       |
|-----------------------------------------|-------------------------------------------------------|
| EU RoHS                                 |                                                       |
| Fulfills EU RoHS substance requirements | Not applicable, Not qualified for the European market |
| EU REACH SVHC                           |                                                       |
| REACH candidate substance (CAS No.)     | No substance above 0.1 wt%                            |

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