

# SAC-5P- 5,0-547/MINFS - Power cable



1416632

<https://www.phoenixcontact.com/us/products/1416632>

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Power cable, 5-position, free cable end, on Socket straight 7/8"-16UNF, coding: A, cable length: 5 m

## Your advantages

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

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 1416632                        |
| Packing unit                         | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | BF14                           |
| Product key                          | BF1IMA                         |
| GTIN                                 | 4055626221755                  |
| Weight per piece (including packing) | 22.22 g                        |
| Weight per piece (excluding packing) | 22.22 g                        |
| Customs tariff number                | 85444290                       |
| Country of origin                    | MX                             |

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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 |
| Number of positions  | 5                     |
| Application          | Standard              |
| 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

|                       |                            |
|-----------------------|----------------------------|
| Contact resistance    | $\leq 5 \text{ m}\Omega$   |
| Insulation resistance | $\geq 100 \text{ M}\Omega$ |
| Nominal voltage $U_N$ | 300 V AC                   |
|                       | 300 V DC                   |
| Nominal current $I_N$ | 8 A                        |
| Protective circuit    | unwired                    |

### 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                 |

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## Connector

### Connection 1

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

### Connection 2

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

## Cable/line

|              |     |
|--------------|-----|
| Cable length | 5 m |
|--------------|-----|

### CMX-OUTDOOR-CMG [547]

|                                 |                                                  |
|---------------------------------|--------------------------------------------------|
| Number of positions             | 3                                                |
| Shielded                        | no                                               |
| Cable type                      | CMX-OUTDOOR-CMG [547]                            |
| Conductor cross section         | 5 x AWG 18                                       |
| External cable diameter         | 5.7 mm                                           |
| Outer sheath, material          | PVC                                              |
| External sheath, color          | yellow                                           |
| Conductor material              | Bare Cu litz wires                               |
| Single wire, color              | black 1, blue 2, grey 3, brown 4, white 5        |
| 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) |

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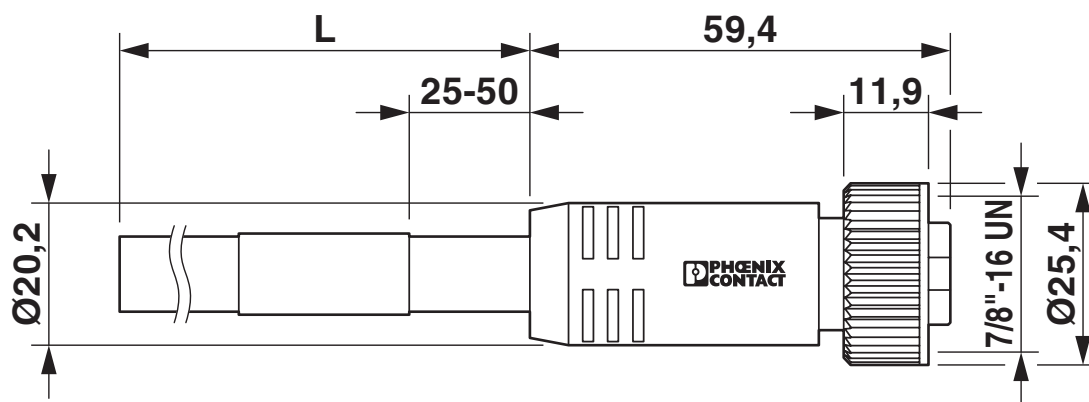
<https://www.phoenixcontact.com/us/products/1416632>

## Drawings

Circuit diagram

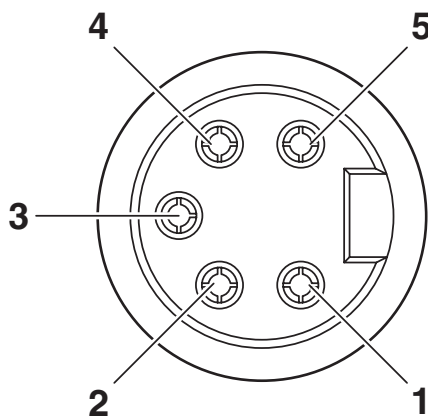


Dimensional drawing



7/8\"-16UNF socket, straight

Schematic diagram



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

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1416632>



**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

|            |                                                         |
|------------|---------------------------------------------------------|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|            | No hazardous substances above threshold values          |

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