

## Master cable - SAC-8P- 5,0-PUR/M16FR - 1693681

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Master cable, For use in Sensor/actuator box, Connection method: M8 socket Metal, Number of slots: 4, Number of positions: 8, Slot assignment: Single, Status indication: No; Master cable connection: M16 plug connection, PUR/PVC, Cable length: 5 m, Shielding: No



### Key commercial data

|                                      |                                                                                                        |
|--------------------------------------|--------------------------------------------------------------------------------------------------------|
| Packing unit                         | 1 pc                                                                                                   |
| GTIN                                 | <br>4 017918 189020 |
| Weight per Piece (excluding packing) | 415.1 GRM                                                                                              |
| Custom tariff number                 | 85444290                                                                                               |
| Country of origin                    | Germany                                                                                                |

### Technical data

#### General

|                                   |           |
|-----------------------------------|-----------|
| Rated voltage                     | 125 V AC  |
|                                   | 150 V DC  |
| Number of positions               | 8         |
| Number of slots                   | 4         |
| Sensor/actuator connection system | M8 socket |

#### Ambient conditions

|                                 |                                             |
|---------------------------------|---------------------------------------------|
| Degree of protection            | IP67                                        |
| Ambient temperature (operation) | -25 °C ... 90 °C (Plug / socket)            |
|                                 | -40 °C ... 90 °C (for fixed installation)   |
|                                 | -5 °C ... 80 °C (for flexible installation) |

#### Master cable data/connection data

|                   |                     |
|-------------------|---------------------|
| Connection method | M16 plug connection |
|-------------------|---------------------|

# Master cable - SAC-8P- 5,0-PUR/M16FR - 1693681

## Technical data

### Master cable data/connection data

|                                     |                                                  |
|-------------------------------------|--------------------------------------------------|
| Length of cable                     | 5 m                                              |
| Cable type                          | Master cable suitable for flexible cable conduit |
| Signal line cross section           | 4x 0.34 mm <sup>2</sup>                          |
| AWG signal line                     | 22                                               |
| Conductor structure signal line     | 42x 0.10 mm                                      |
| Power supply cross section          | 2x 0.75 mm <sup>2</sup>                          |
| AWG power supply                    | 18                                               |
| Conductor structure, voltage supply | 96x 0.10 mm                                      |
| External diameter                   | 7.1 mm                                           |
| Max. bending cycles                 | 1500000                                          |
| Bending radius                      | 100 mm                                           |
| Traversing path                     | 2 m                                              |
| Traversing rate                     | 2 m/s                                            |

### Insulation material

|                                                          |               |
|----------------------------------------------------------|---------------|
| Housing material                                         | PUR           |
| Material of contact, master cable side                   | CU alloy      |
| Material of contact surface, master cable side           | Gold-plated   |
| Material of the contact carrier on the master cable side | TPU           |
| Material of threaded sleeve                              | Cu alloy      |
| Material of threaded sleeve surface                      | Nickel-plated |
| Sealing material                                         | NBR           |

### Connection assignment

|                                       |                              |
|---------------------------------------|------------------------------|
| Slot/position = pin = conductor color | 1 / 4 (A) = P = WH           |
|                                       | 2 / 4 (A) = J = GN           |
|                                       | 3 / 4 (A) = T = YE           |
|                                       | 4 / 4 (A) = S = GY           |
|                                       | 1-4 / 1 (+ 120 V) = A+M = BN |
|                                       | 1-4 / 3 (0 V) = L+U = BU     |

## Classifications

eCl@ss

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

## Master cable - SAC-8P- 5,0-PUR/M16FR - 1693681

### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 6.0 | 27061801 |
| eCl@ss 7.0 | 27061801 |
| eCl@ss 8.0 | 27279218 |

#### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC000104 |
| ETIM 3.0 | EC000104 |
| 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 / GOST / cULus Listed

#### Ex Approvals

#### Approvals submitted

#### Approval details

|                                                                                               |      |
|-----------------------------------------------------------------------------------------------|------|
| UL Listed  |      |
| Nominal current I <sub>N</sub>                                                                | 2 A  |
| Nominal voltage U <sub>N</sub>                                                                | 30 V |

## Master cable - SAC-8P- 5,0-PUR/M16FR - 1693681

### Approvals

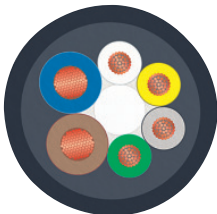
|                                                                                              |      |
|----------------------------------------------------------------------------------------------|------|
| cUL Listed  |      |
|                                                                                              |      |
| Nominal current I <sub>N</sub>                                                               | 2 A  |
| Nominal voltage U <sub>N</sub>                                                               | 30 V |

|                                                                                        |
|----------------------------------------------------------------------------------------|
| GOST  |
|----------------------------------------------------------------------------------------|

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

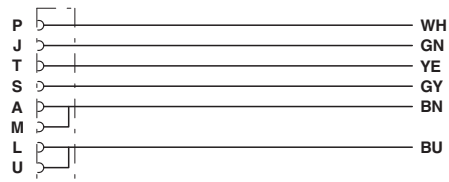
### Drawings

Cable cross section



PUR/PVC black [PUR]

Circuit diagram



Contact assignment of the M16 socket