

## Master cable - SAC-14P- 5,0-PUR/M16FR - 1693746

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Master cable, application: Sensor/actuator box, connection method: M8 socket Metal, number of slots: 10, number of positions: 14, slot assignment: single, status display: No; master cable connection: M16 plug connection, PUR/PVC, cable length: 5 m, shielding: no

RoHS

### Key Commercial Data

|              |                                                                                                         |
|--------------|---------------------------------------------------------------------------------------------------------|
| Packing unit | 1 pc                                                                                                    |
| GTIN         | <br>4 017918 189082 |
| GTIN         | 4017918189082                                                                                           |
| Sales Key    | 02                                                                                                      |

### Technical data

#### General

|                                   |           |
|-----------------------------------|-----------|
| Rated voltage                     | 125 V AC  |
|                                   | 150 V DC  |
| Number of positions               | 14        |
| Number of slots                   | 10        |
| 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                              |
| Length of cable           | 5 m                                              |
| Cable type                | Master cable suitable for flexible cable conduit |
| Signal line cross section | 10x 0.34 mm <sup>2</sup>                         |
| AWG signal line           | 22                                               |

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## Technical data

### Master cable data/connection data

|                                     |                         |
|-------------------------------------|-------------------------|
| 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                   | 9.1 mm                  |
| Max. bending cycles                 | 1500000                 |
| Bending radius                      | 100 mm                  |
| Traversing path                     | 2 m                     |
| Traversing rate                     | 2 m/s                   |

### Insulation material

|                                                          |               |
|----------------------------------------------------------|---------------|
| Housing material                                         | PUR           |
| Contact material                                         | CuZn          |
| Contact surface material                                 | Ni/Au         |
| Contact carrier material                                 | TPU GF        |
| 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           |
|                                       | 5 / 4 (A) = G = PK           |
|                                       | 6 / 4 (A) = R = RD           |
|                                       | 7 / 4 (A) = E = BK           |
|                                       | 8 / 4 (A) = O = VT           |
|                                       | 9 / 4 (A) = C = WH/PK        |
|                                       | 10 / 4 (A) = N = PK/BN       |
|                                       | 1-10 / 1 (+120 V) = A+M = BN |
|                                       | 1-10 / 3 (0 V) = L+U = BU    |

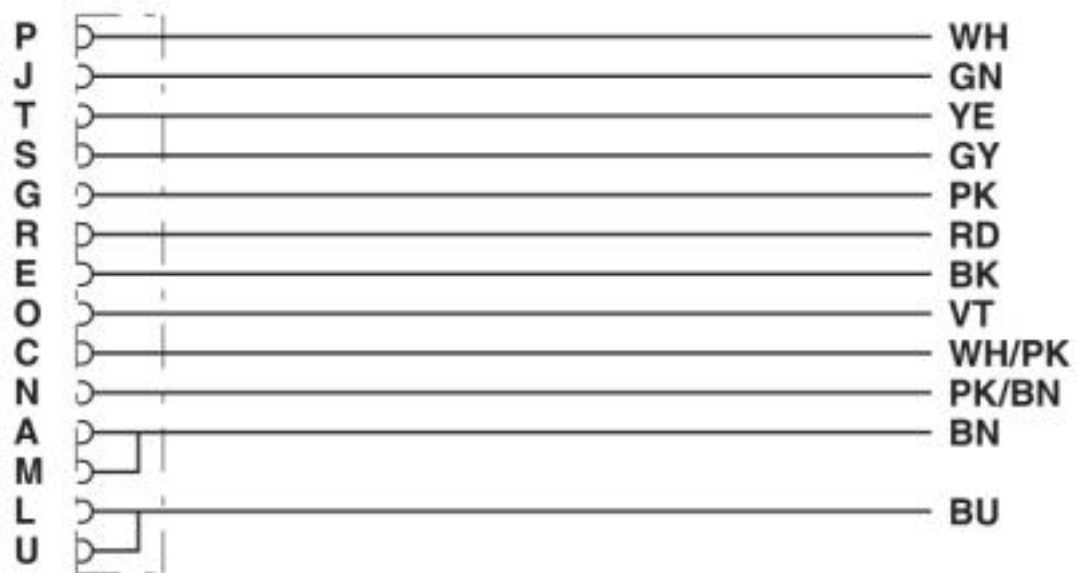
### Environmental Product Compliance

|            |                                                                                                     |
|------------|-----------------------------------------------------------------------------------------------------|
|            | Lead 7439-92-1                                                                                      |
| China RoHS | Environmentally Friendly Use Period = 50                                                            |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

## Drawings

## Master cable - SAC-14P- 5,0-PUR/M16FR - 1693746

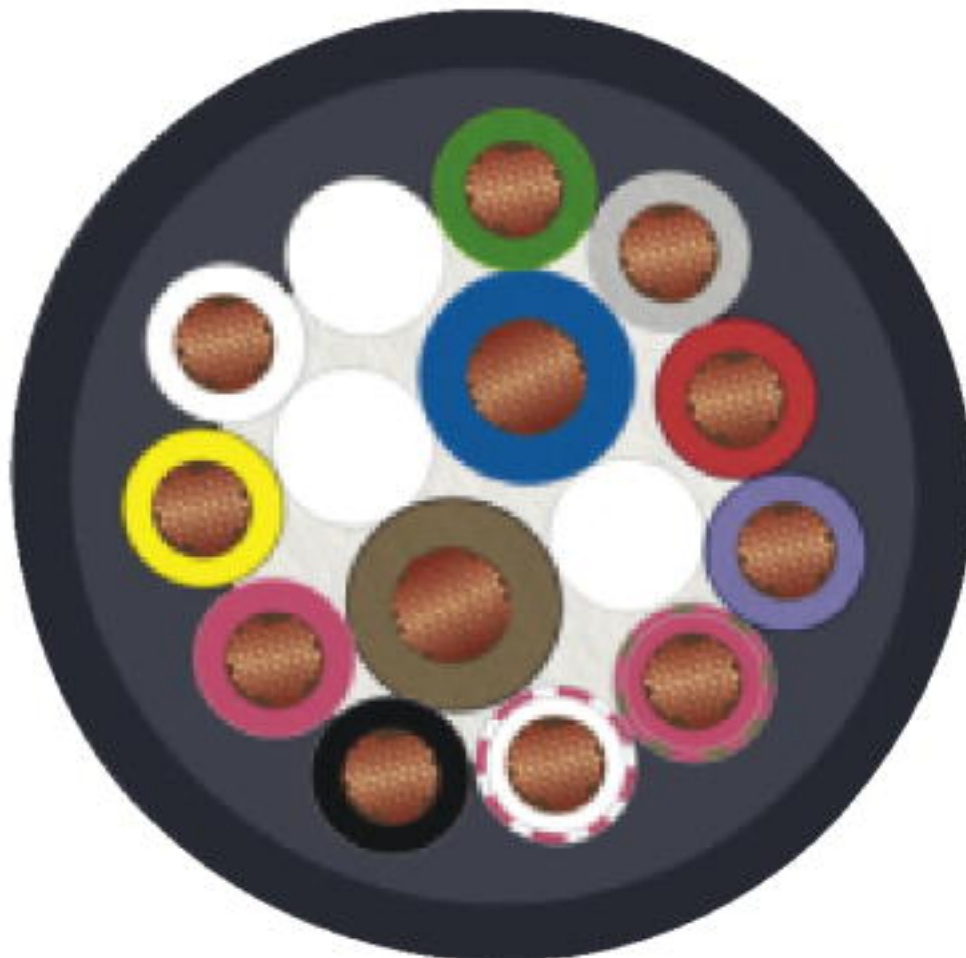
Circuit diagram



Contact assignment of the M16 socket

## Master cable - SAC-14P- 5,0-PUR/M16FR - 1693746

Cable cross section



PUR/PVC black [PUR]

### Classifications

eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27060300 |
| eCl@ss 4.1 | 27060300 |
| eCl@ss 5.0 | 27061800 |
| eCl@ss 5.1 | 27061800 |
| eCl@ss 6.0 | 27279200 |
| eCl@ss 7.0 | 27279218 |
| eCl@ss 8.0 | 27279218 |
| eCl@ss 9.0 | 27060311 |

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### Classifications

#### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC000104 |
| ETIM 3.0 | EC000104 |
| ETIM 4.0 | EC001855 |
| ETIM 5.0 | EC001855 |
| ETIM 6.0 | EC001855 |
| ETIM 7.0 | EC001855 |

#### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 31251501 |
| UNSPSC 7.0901 | 31251501 |
| UNSPSC 11     | 31251501 |
| UNSPSC 12.01  | 31251501 |
| UNSPSC 13.2   | 31251501 |
| UNSPSC 19.0   | 31251501 |
| UNSPSC 20.0   | 31251501 |
| UNSPSC 21.0   | 31251501 |

### Approvals

#### Approvals

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Approvals

EAC

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Ex Approvals

#### Approval details

|     |                                                                                     |          |
|-----|-------------------------------------------------------------------------------------|----------|
| EAC |  | 19060508 |
|-----|-------------------------------------------------------------------------------------|----------|