

## Connector in molded plastic on both sides - K-7E-M17 M9/5,0-D00/M17 F8 - 1624788

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Connector in molded plastic on both sides, Length: 5 m, Color of outer sheath: orange RAL 2003

### Product Features

- Our standard: robust halogen-free PUR cable
- Simple and safe: 100% electrically tested and assembled ready for use
- Designs with pre-assembled cables on one or both sides
- High flexibility: customer-specific assemblies and cable lengths can be supplied



### Key Commercial Data

|                      |          |
|----------------------|----------|
| Packing unit         | 1 pc     |
| Custom tariff number | 85444290 |
| Country of origin    | Germany  |

### Technical data

|                  |      |
|------------------|------|
| Conductor length | 5 m  |
| Nominal current  | 12 A |

### Connector specifications

|                       |                            |
|-----------------------|----------------------------|
| Type                  | straight plastic-sheathed  |
| Housing material      | Zinc die-cast              |
| Thread type           | M17                        |
| Locking type          | Screw locking              |
| Degree of protection  | IP67, when in locked state |
| Number of positions   | 7+PE                       |
| Direction of rotation | Standard                   |

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### Technical data

#### Connector specifications

|                                 |                   |
|---------------------------------|-------------------|
| Type of contact                 | Socket            |
| Insertion/withdrawal cycles     | 50                |
| Contact resistance              | < 0.3 mΩ          |
| Max. current                    | 14 A              |
| Voltage                         | 630 V             |
| Overvoltage category            | III               |
| Degree of pollution             | 3                 |
| Rated surge voltage             | 6 kV              |
| Ambient temperature (operation) | -40 °C ... 105 °C |

#### Cable specifications

|   |   |
|---|---|
| Type of cable                                 | 9YSLC11Y-JZ   |
| Shielded                                      | yes   |
| Cable structure                               | 4 x 0.75 mm <sup>2</sup> + 2 x 2 x 0.34 mm <sup>2</sup> StC |
| Cable structure (AWG)                         | 19 AWG/4c + 22 AWG/1pr + 22 AWG/1pr                         |
| External cable diameter                       | 10.7 mm   |
| Outer sheath, material                        | PUR   |
| Material wire insulation                      | TPM   |
| External sheath, color                        | orange RAL 2003   |
| Nominal voltage, cable                        | 500 V   |
| Test voltage                                  | 4 kV  |
| Rated current                                 | 12 A  |
| Smallest bending radius, fixed installation   | 54 mm   |
| Smallest bending radius, movable installation | 81 mm   |
| Ambient temperature for fixed installation    | -40 °C ... 90 °C  |
| Ambient temperature for flexible installation | -30 °C ... 90 °C  |

#### Connector specifications (second page)

|                             |                            |
|-----------------------------|----------------------------|
| Type                        | straight plastic-sheathed  |
| Housing material            | Zinc die-cast              |
| Thread type                 | M17                        |
| Degree of protection        | IP67, when in locked state |
| Number of positions         | 7+PE                       |
| Direction of rotation       | Standard                   |
| Type of contact             | Male connector             |
| Insertion/withdrawal cycles | 50                         |
| Contact resistance          | < 0.3 mΩ                   |

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## Technical data

Connector specifications (second page)

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## Classifications

eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 272607xx |
| eCl@ss 4.1 | 27260701 |
| eCl@ss 5.0 | 27260701 |
| eCl@ss 5.1 | 27260701 |
| eCl@ss 6.0 | 27260708 |
| eCl@ss 7.0 | 27440312 |
| eCl@ss 8.0 | 27062011 |
| eCl@ss 9.0 | 27062011 |

ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC001121 |
| ETIM 5.0 | EC001578 |

UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 43172015 |
| UNSPSC 7.0901 | 43201404 |
| UNSPSC 11     | 43172015 |
| UNSPSC 12.01  | 43201404 |
| UNSPSC 13.2   | 43201404 |

## Approvals

Approvals

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Approvals

EAC

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## Approvals

Ex Approvals

Approvals submitted

Approval details

EAC

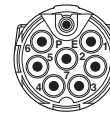
## Drawings

Schematic diagram



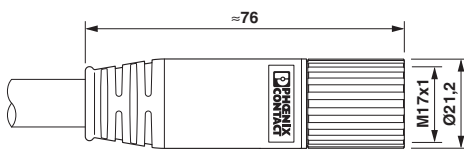
Socket pin assignment

Schematic diagram



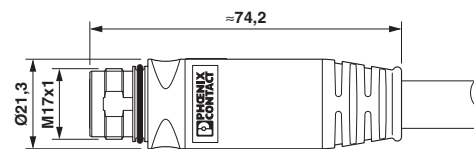
Pin assignment of pin

Dimensional drawing



On the female side

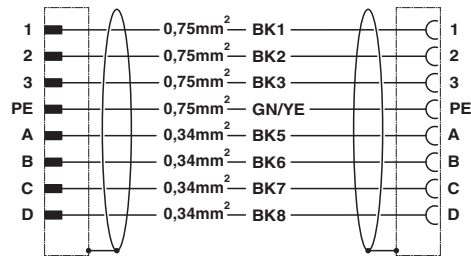
Dimensional drawing



Pin side

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Circuit diagram



Contact assignment of M17 plugs/sockets, cable type D00