



## Circular connector M12 4-pin/5-pin, angled, with coupling ring, plastic

### Product characteristics

- Good resistance to chemicals and oil
- ECOLAB approval
- High protection class and high temperature range to meet the demands of adverse industrial environments
- Suitable for all sensors and float switches with appropriate connection

## Technical drawing

IMAGE 1/6

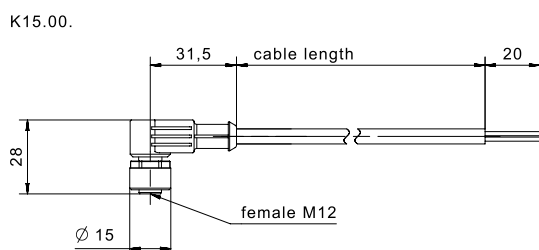


IMAGE 2/6

# female M12

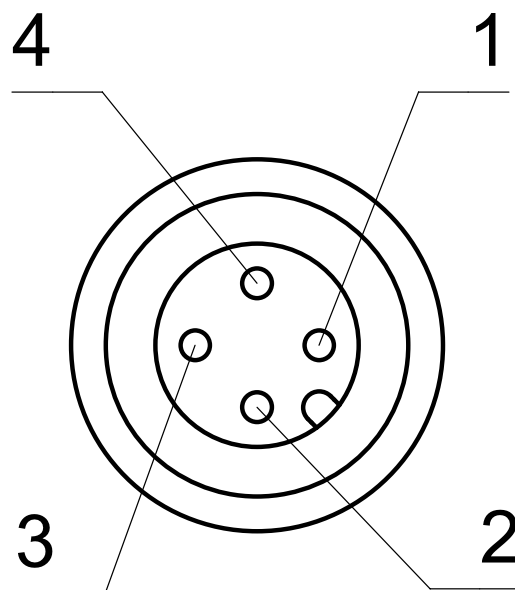


IMAGE 3/6

1 ) ————— BN

2 ) ————— WH

3 ) ————— BU

4 ) ————— BK

IMAGE 4/6

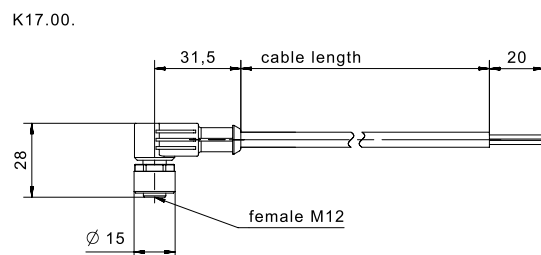


IMAGE 5/6

# female M12

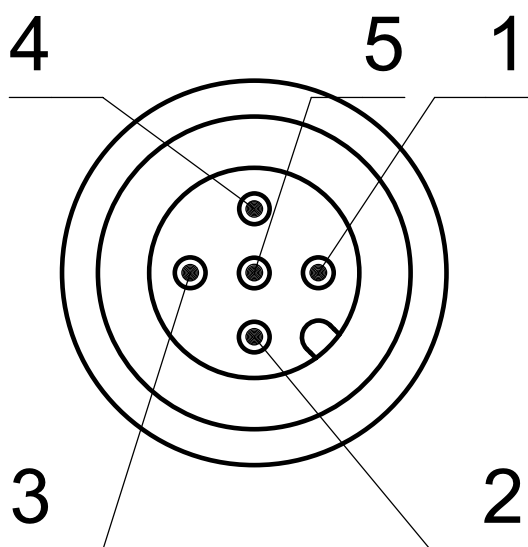


IMAGE 6/6

1 ) ————— BN

2 ) ————— WH

3 ) ————— BU

4 ) ————— BK

5 ) ————— GY

## Electrical data

| Attribute                              | K15G...K | K15H...K | K17G...K | K17H...K |
|----------------------------------------|----------|----------|----------|----------|
| Max. switching current per contact     | 4 A      |          |          |          |
| Rated impulse withstand voltage (Uimp) | 2500 V   |          | 1500 V   |          |
| Operating voltage max.                 | 250 V DC |          | 125 V DC |          |
| Operating voltage max.                 | 250 V AC |          | 125 V AC |          |

## Properties

| Attribute    | K15G...K | K15H...K | K17G...K | K17H...K |
|--------------|----------|----------|----------|----------|
| Cable colour | schwarz  |          |          |          |

## Material information

| Attribute          | K15G...K | K15H...K | K17G...K | K17H...K |
|--------------------|----------|----------|----------|----------|
| Cable material     | PVC      | PUR      | PVC      | PUR      |
| Nut material       | PA       |          |          |          |
| Overmould material | PVC      | PUR      | PVC      | PUR      |

## Environmental conditions

| Attribute                                        | K15G...K | K15H...K | K17G...K | K17H...K |
|--------------------------------------------------|----------|----------|----------|----------|
| Min. storage temperature                         | -30 °C   | -40 °C   | -30 °C   | -40 °C   |
| Max. storage temperature                         | 80 °C    |          |          |          |
| Min. cable temperature range, moving             | -5 °C    | -25 °C   | -5 °C    | -25 °C   |
| Max. cable temperature range, moving             | 80 °C    |          |          |          |
| Min. cable temperature range, fixed installation | -30 °C   | -40 °C   | -30 °C   | -40 °C   |
| Max. cable temperature range, fixed installation | 80 °C    |          |          |          |

## Installation

| Attribute       | K15G...K | K15H...K | K17G...K | K17H...K |
|-----------------|----------|----------|----------|----------|
| Torque for nuts | 0,6 N m  |          |          |          |

## Connection

| Attribute          | K15G...K             | K15H...K | K17G...K | K17H...K |
|--------------------|----------------------|----------|----------|----------|
| Connector type     | M12 Buchse gewinkelt |          |          |          |
| Cable length       | 10 m                 |          |          |          |
| Cable diameter     | 5 mm                 | 4,7 mm   | 5,2 mm   | 5 mm     |
| Number of pins     | 4                    |          | 5        |          |
| Number of strands  | 4                    |          | 5        |          |
| Wire cross section | 0.34 mm^2            |          |          |          |

## Approvals

| Attribute                    | K15G...K      | K15H...K | K17G...K | K17H...K |
|------------------------------|---------------|----------|----------|----------|
| Certified in accordance with | UL/CSA ECOLAB |          |          |          |