



## Circular connector M12 4-pin/5-pin/8-pin 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 1/9

K14.00.K

female M12

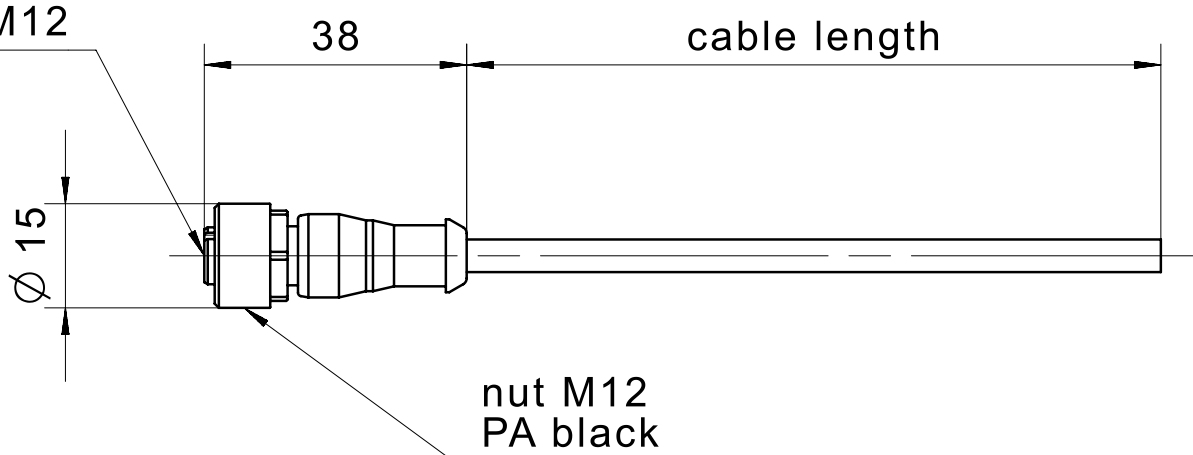


IMAGE 2/9

# female M12

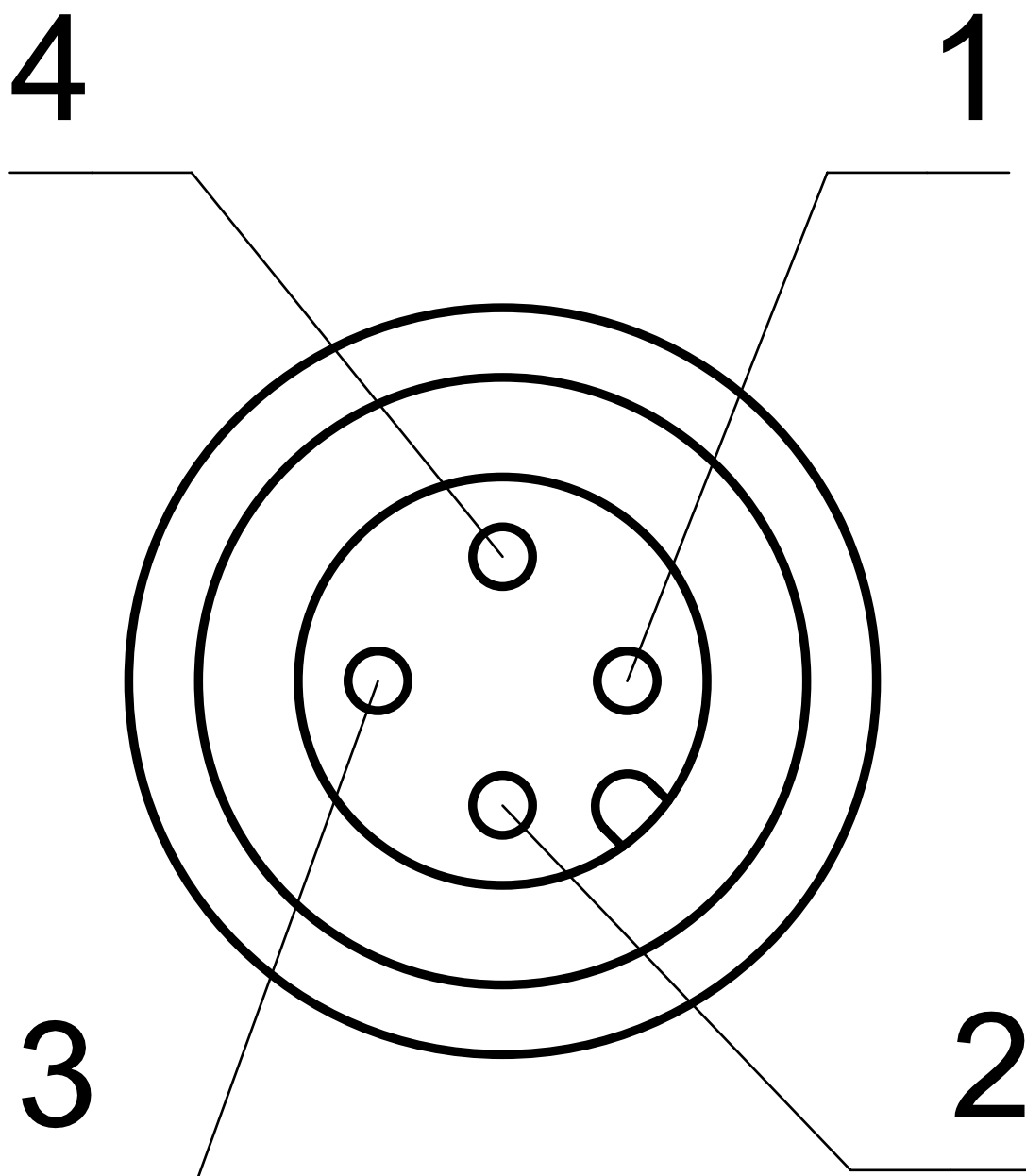


IMAGE 3/9

1 ) ————— **BN**

2 ) ————— **WH**

3 ) ————— **BU**

4 ) ————— **BK**

IMAGE 4/9

**K16.00.K**

female M12

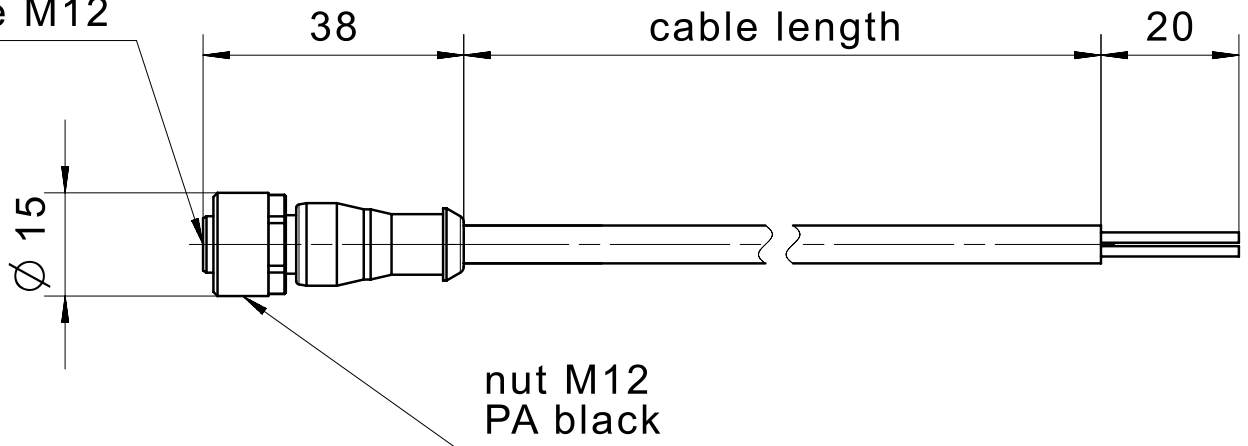


IMAGE 5/9

# female M12

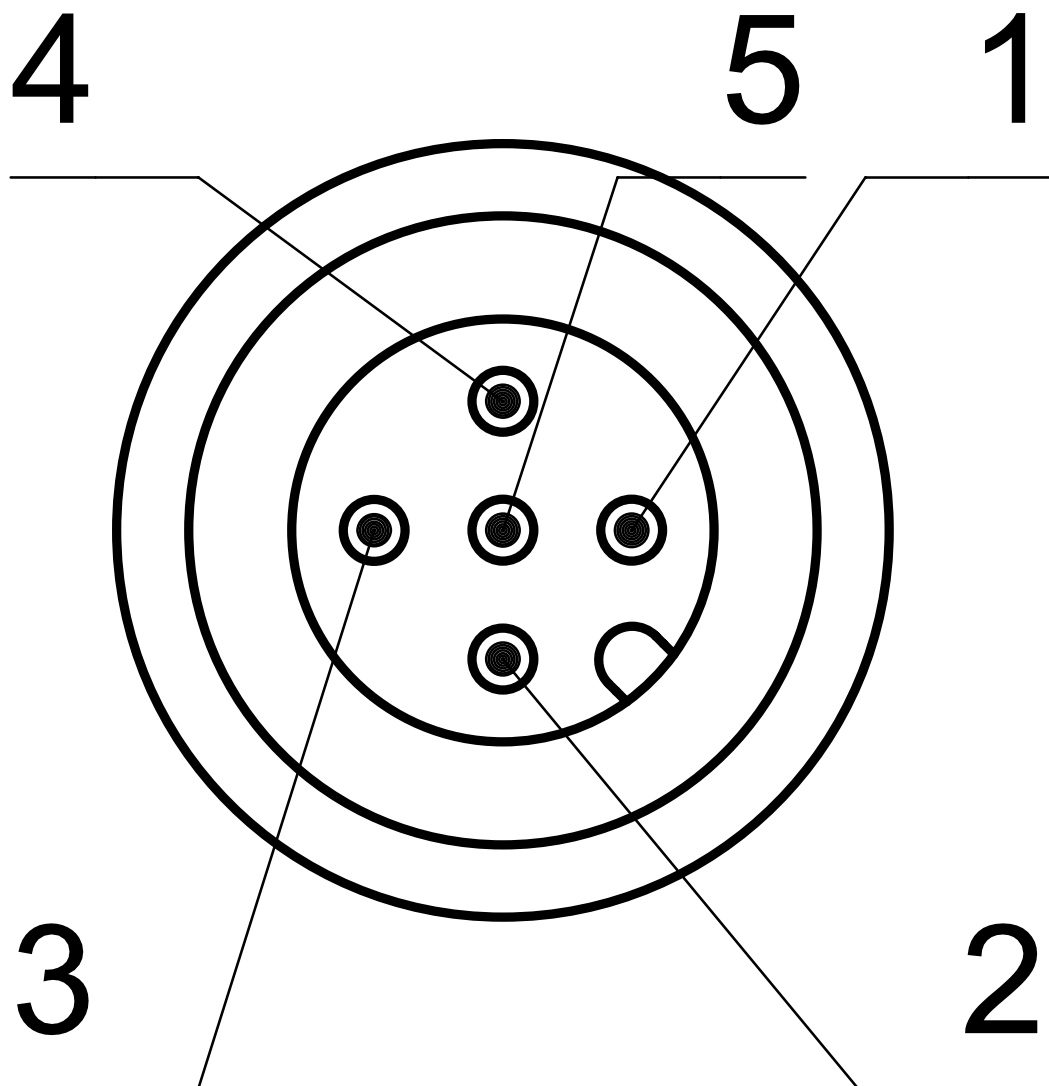


IMAGE 6/9

1 ) \_\_\_\_\_ BN

2 ) \_\_\_\_\_ WH

3 ) \_\_\_\_\_ BU

4 ) \_\_\_\_\_ BK

5 ) \_\_\_\_\_ GY

IMAGE 7/9

K18.00.K

female M12

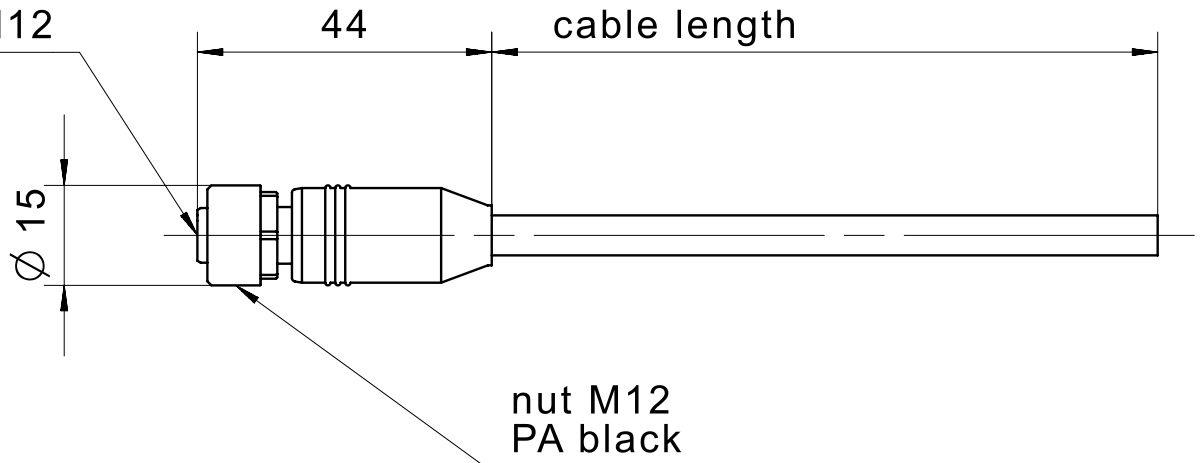


IMAGE 8/9

# female M12

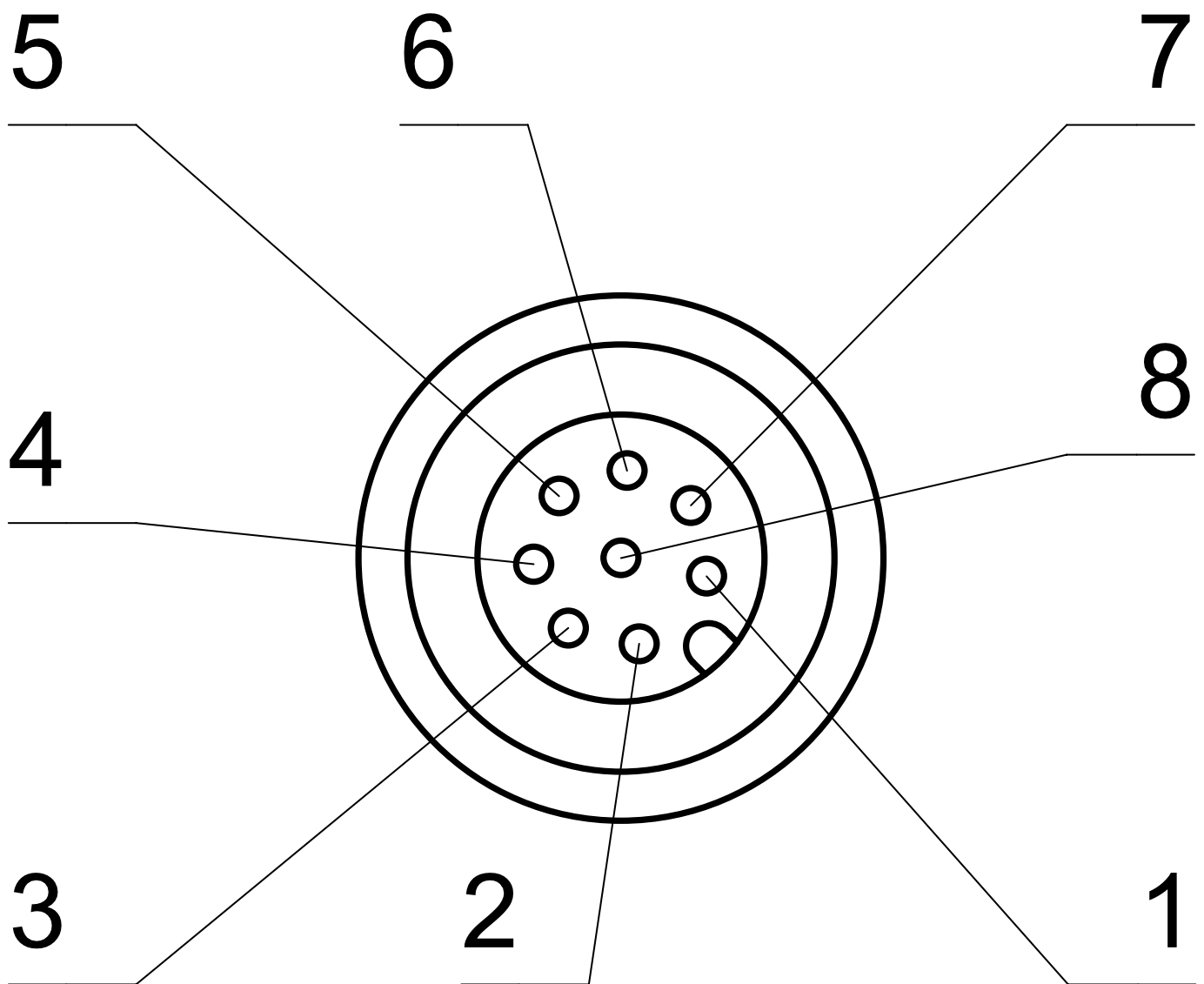




IMAGE 9/9

1 ) ————— BN

2 ) ————— WH

3 ) ————— BU

4 ) ————— BK

5 ) ————— GY

6 ) ————— PK

7 ) ————— VT

8 ) ————— OG

## Product options

IMAGE 1/1

### ORDERING KEY

| K1 |    |      | Circular connector M12 4-pin/5-pin/8-pin with coupling ring, plastic |
|----|----|------|--|
|    | 4G |      | Sheath material PVC, black, 4-pin                                    |
|    | 6G |      | Sheath material PVC, black, 5-pin                                    |
|    | 6H |      | Sheath material PUR, black, 5-pin                                    |
|    | 8G |      | Sheath material PVC, black, 8-pin                                    |
|    |    | 001K | Cable length 1m ± 30mm   |
|    |    | 003K | Cable length 3m ± 40mm   |
|    |    | 005K | Cable length 5m ± 60mm   |
|    |    | 000K | Cable length 10m ± 80mm  |
|    |    |      | Other cable materials and cable lengths on request                   |

## Article characteristics

| Attribute  | K14G...K             | K16G...K | K16H...K | K18G...K |
|--|----------------------|----------|----------|----------|
| Max. switching current per contact               | 4 A                  |          |          | 2 A      |
| Rated impulse withstand voltage (Uimp)           | 2500 V               | 1500 V   |          | 800 V    |
| Operating voltage max.                           | 250 V DC             | 125 V DC |          | 30 V DC  |
| Operating voltage max.                           | 250 V AC             | 125 V AC |          | 30 V AC  |
| Cable colour                                     | Grey                 | Black    |          | Grey     |
| Cable material                                   | PVC                  |          | PUR      | PVC      |
| Nut material                                     | PA                   |          |          |          |
| Overmould material                               | PUR                  | PVC      | PUR      |          |
| Operating temperature min.                       | -30 °C               |          | -40 °C   | -30 °C   |
| Max. operating temperature                       | 80 °C                |          |          |          |
| Min. storage temperature                         | -30 °C               |          | -40 °C   | -30 °C   |
| Max. storage temperature                         | 80 °C                |          |          |          |
| Min. cable temperature range, moving             | -5 °C                |          | -25 °C   | -5 °C    |
| Max. cable temperature range, moving             | 80 °C                |          |          |          |
| Min. cable temperature range, fixed installation | -30 °C               |          | -40 °C   | -30 °C   |
| Max. cable temperature range, fixed installation | 80 °C                |          |          |          |
| Torque for nuts                                  | 0,6 N m              |          |          |          |
| Connector type                                   | M12 socket, straight |          |          |          |
| Cable length                                     | 10 m                 |          |          |          |
| Cable diameter                                   | 4,7 mm               | 5,2 mm   | 5 mm     | 6 mm     |
| Number of pins                                   | 4                    | 5        |          | 8        |
| Number of strands                                | 4                    | 5        |          | 8        |
| Wire cross section                               | 0.25 mm²             | 0.34 mm² |          | 0.25 mm² |
| Certified in accordance with                     | UL/CSA ECOLAB        |          |          |          |