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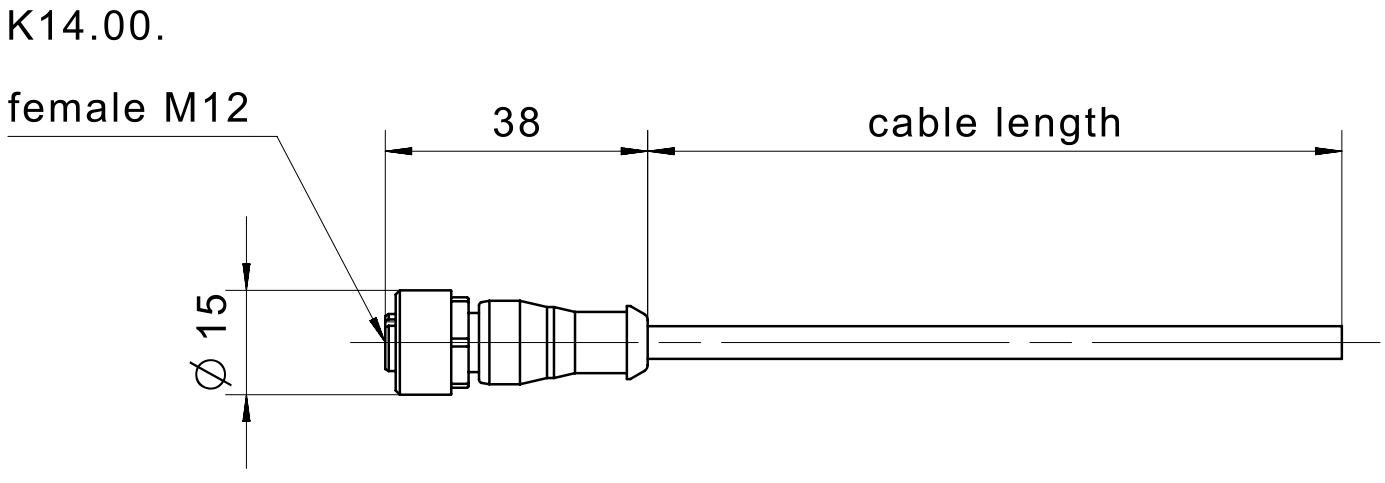
# Round connector K1..00

## Product characteristics

- Preassembled cable sets with open end
- M12 connector compatible with all sensors and T-connectors with 4-pin/8-pin circular connector and M12 thread
- High protection class
- Various cable lengths available

## Technical drawing

IMAGE 1/6



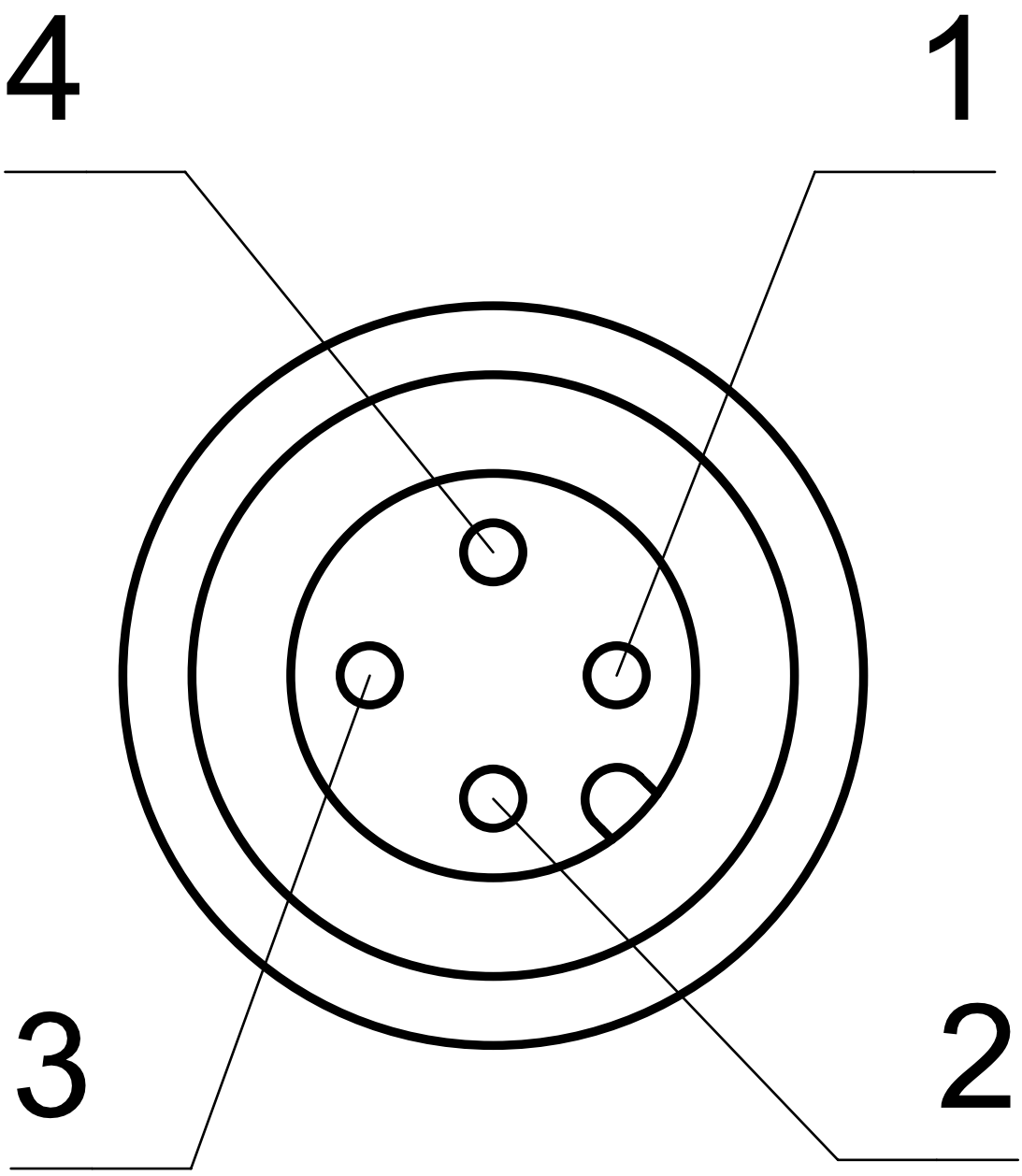
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IMAGE 2/6

# female M12

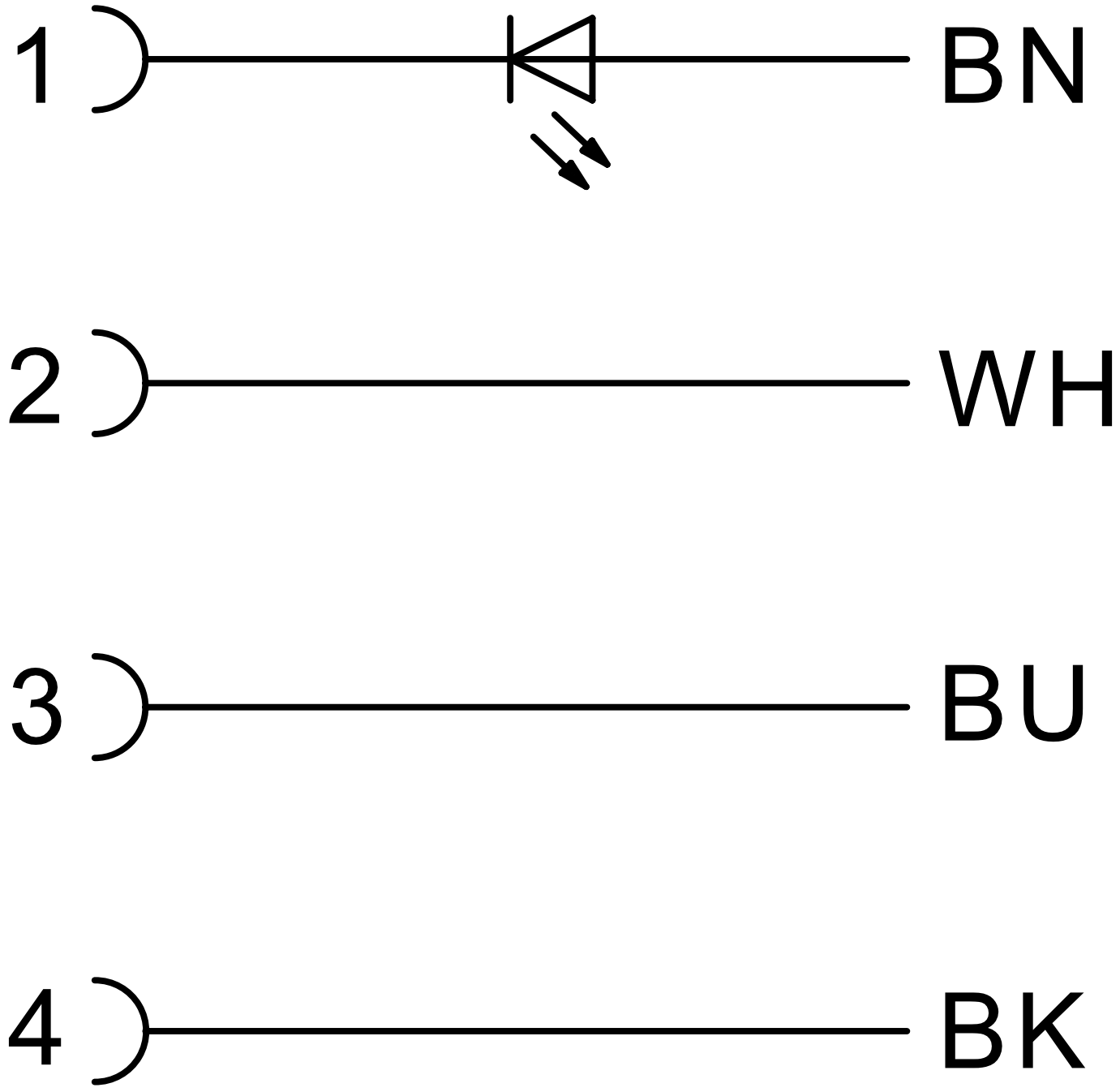


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IMAGE 3/6

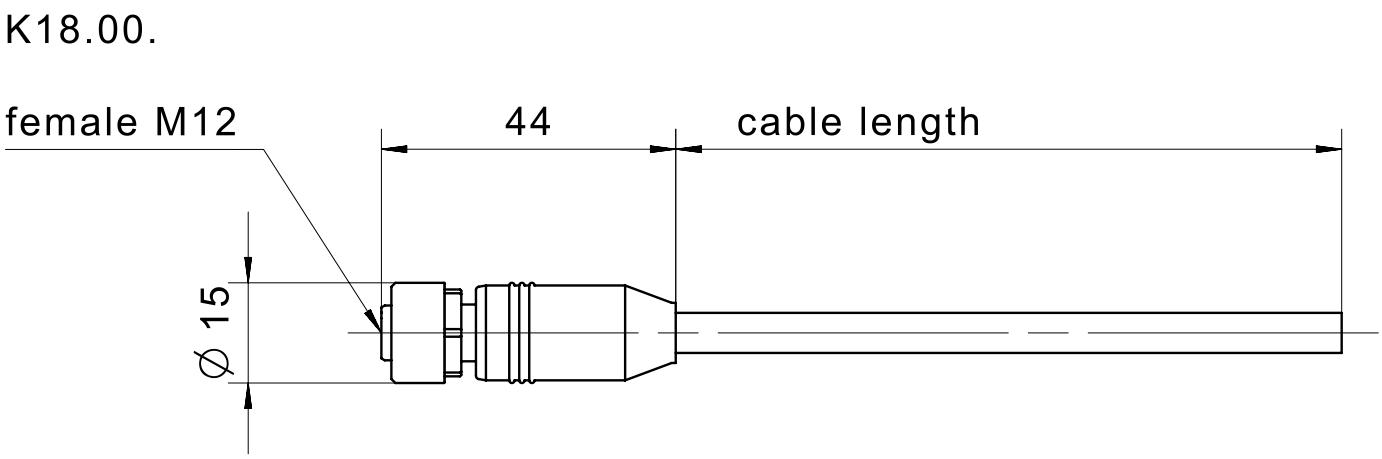


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IMAGE 4/6

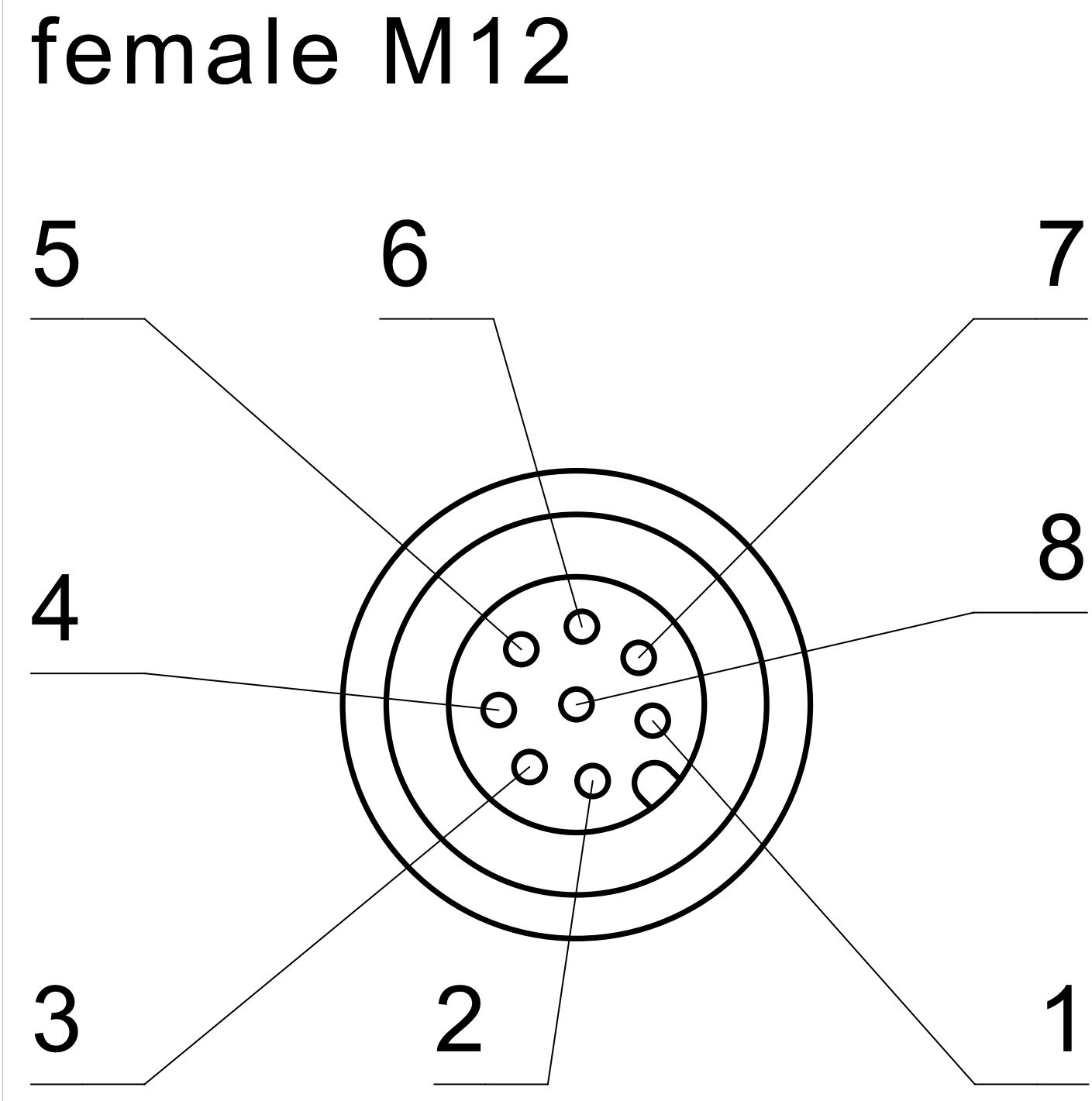


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IMAGE 5/6

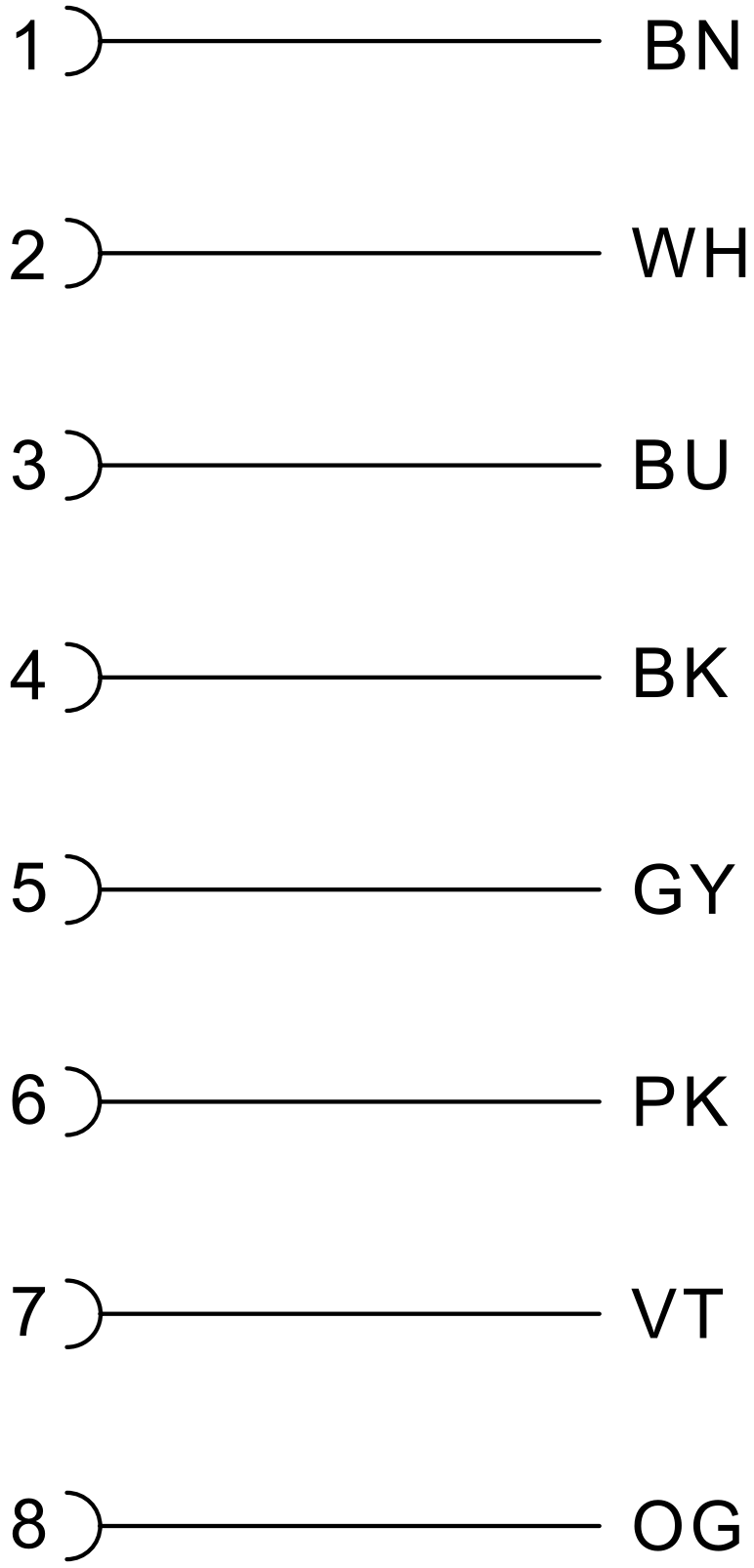


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IMAGE 6/6



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## Product options

IMAGE 1/1

### ORDERING KEY

| K14 | | | | Cable set 4-pin |
|---|---|---|---|---|
| | G | | | Sheath material PVC, black |
| | H | | | Sheath material PUR, black |
| | | 001 | | Cable length 1 m |
| | | 003 | | Cable length 3 m |
| | | 005 | | Cable length 5 m |
| | | 000 | | Cable length 10 m |
| | | | - | Metal coupling ring |
| | | | K | Plastic coupling ring (only with sheath material PVC, black) |
| | | | | |
| | | | | Other cable materials and cable lengths on request |

| K18 | | | | Cable set 8-pin |
|---|---|---|---|---|
| | G | 001 | | Cable length 1 m |
| | | 003 | | Cable length 3 m |
| | | 005 | | Cable length 5 m |
| | | 000 | | Cable length 10 m |
| | | | K | Plastic coupling ring |
| | | | | |
| | | | | Other cable materials and cable lengths on request |

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## Article characteristics

| Attribute | K14G... | K14G...K | K14H... | K15G...K | K15H...K | K16G...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 |
| **Nut material** | Nickel-plated die-cast zinc | PA | Nickel-plated die-cast zinc | PA | | |
| **Overmould material** | PUR | | | PVC | PUR | PVC |
| **Cable material** | PVC | | PUR | PVC | PUR | PVC |
| **Min. cable temperature range, moving** | -5 °C | | -25 °C | -5 °C | -25 °C | -5 °C |
| **Max. cable temperature range, moving** | 70 °C | 80 °C | | | | |
| **Min. cable temperature range, fixed installation** | -25 °C | -30 °C | -25 °C | -30 °C | -40 °C | -30 °C |
| **Max. cable temperature range, fixed installation** | 70 °C | 80 °C | | | | |
| **Min. storage temperature** | -25 °C | -30 °C | -25 °C | -30 °C | -40 °C | -30 °C |
| **Max. storage temperature** | 70 °C | 80 °C | | | | |
| **Torque for nuts** | 0,6 N m | | | | | |
| **Connector type** | M12 socket, straight | | | M12 socket, angled | | M12 socket, straight |
| **Cable colour** | Black | Grey | Black | | | |
| **Cable length** | 10 m | | | | | |
| **Cable diameter** | 5 mm | 4,7 mm | | 5 mm | 4,7 mm | 5,2 mm |
| **Number of pins** | 4 | | | | | 5 |
| **Number of strands** | 4 | | | | | 5 |
| **Wire cross section** | 0.34 mm² | 0.25 mm² | 0.34 mm² | | | |
| **Cable type** | LIYY | | | - | | |
| **Certified in accordance with** | UL/CSA | UL/CSA ECOLAB | UL/CSA | UL/CSA ECOLAB | | |

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| Attribute | K16H...K | K17G...K | K17H...K | K18G...K |
|---|---|---|---|---|
| Max. switching current per contact | 4 A | | | 2 A |
| Rated impulse withstand voltage (Uimp) | 1500 V | | | 800 V |
| Operating voltage max. | 125 V DC | | | 30 V DC |
| Operating voltage max. | 125 V AC | | | 30 V AC |
| Nut material | PA | | | |
| Overmould material | PUR | PVC | PUR | |
| Cable material | PUR | PVC | PUR | PVC |
| Min. cable temperature range, moving | -25 °C | -5 °C | -25 °C | -5 °C |
| Max. cable temperature range, moving | 80 °C | | | |
| Min. cable temperature range, fixed installation | -40 °C | -30 °C | -40 °C | -30 °C |
| Max. cable temperature range, fixed installation | 80 °C | | | |
| Min. storage temperature | -40 °C | -30 °C | -40 °C | -30 °C |
| Max. storage temperature | 80 °C | | | |
| Torque for nuts | 0,6 N m | | | |
| Connector type | M12 socket, straight | M12 socket, angled | | M12 socket, straight |
| Cable colour | Black | | | Grey |
| Cable length | 10 m | | | |
| Cable diameter | 5 mm | 5,2 mm | 5 mm | 6 mm |
| Number of pins | 5 | | | 8 |
| Number of strands | 5 | | | 8 |
| Wire cross section | 0.34 mm² | | | 0.25 mm² |
| Cable type | - | | | |
| Certified in accordance with | UL/CSA ECOLAB | | | |