

AMPLIFIED INDUCTIVE SENSORS



IS Series

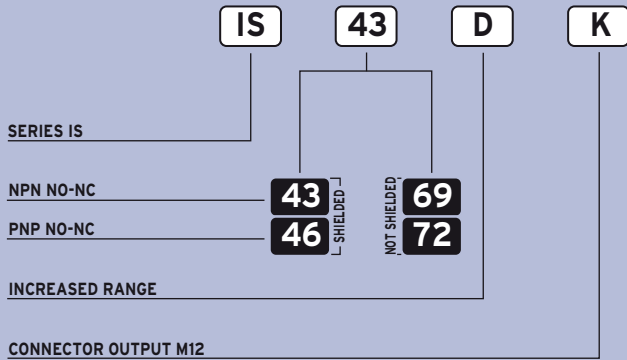


Ø 18 INCREASED RANGE

10 ÷ 30 V DC - 4 WIRES NPN OR PNP OUTPUT

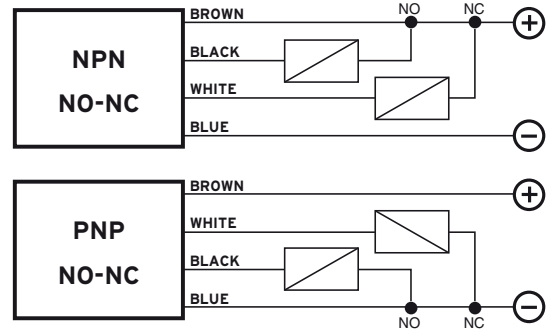
- Range, 8mm to 14mm - shielded, not shielded
- Short housing models
- 200mA NPN or PNP
- Operation LED
- Cable or M12 quick connect models

IDENTIFICATION CODE

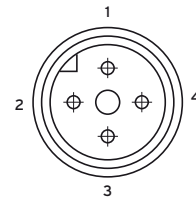


| | SHIELDED | NOT SHIELDED |
|--|---|--------------|
| NOMINAL SWITCHING DISTANCE (S _n) | 8 mm | 14 mm |
| NOMINAL VOLTAGE | 10 ÷ 30 VDC (-15 / +10%) | |
| RESIDUAL RIPPLE | ≤ 10% | |
| HYSTERESIS | < 10% | |
| MAX. OUTPUT CURRENT | 200 mA | |
| RESIDUAL CURRENT | < 10 mA | |
| VOLTAGE DROP (Sensor ON) | < 1.2 V (I = 100 mA) | |
| OPERATION LED | Yellow | |
| SWITCHING FREQUENCY | 400 Hz | |
| START UP DELAY | ≤ 75 ms | |
| REPEATABILITY | ≤ 3% | |
| SHORT CIRCUIT PROTECTION | Present (self-resetting) | |
| ELECTRIC PROTECTIONS | Against polarity reversal - inductive loads | |
| TEMPERATURE LIMITS | - 25 ÷ +70 °C | |
| PROTECTION DEGREE | IP 67 | |
| CABLE LENGTH | 2 m | |
| CABLE SECTION | 3 x 0,25 mm ² | |
| HOUSING MATERIAL | Nickel-plated brass | |
| WEIGHT - Cable output - | 145 g | |
| WEIGHT - K connector output - | 95 g | |

WIRING DIAGRAMS



CONNECTION WITH CONNECTOR M12 (K)

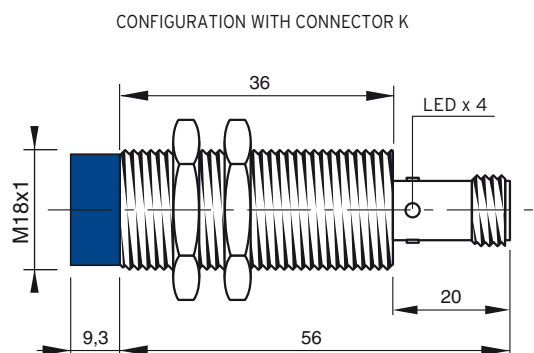
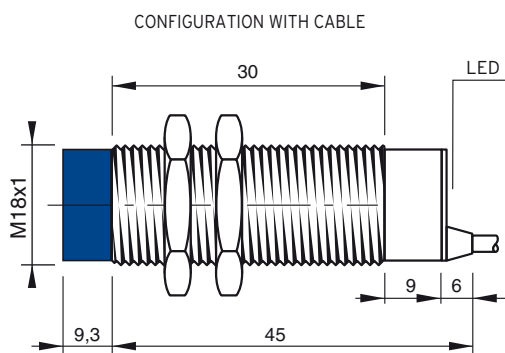


View of quadripole male connector

CONTACTS CONFIGURATION

| Available | Contacts numbers | | | |
|-----------|------------------|----|---|----|
| | 1 | 2 | 3 | 4 |
| (NO + NC) | + | NC | - | NO |

DIMENSIONS (mm)



Note: The front part in blue refers to not shielded models