



Amplified Inductive Sensors Ø 18

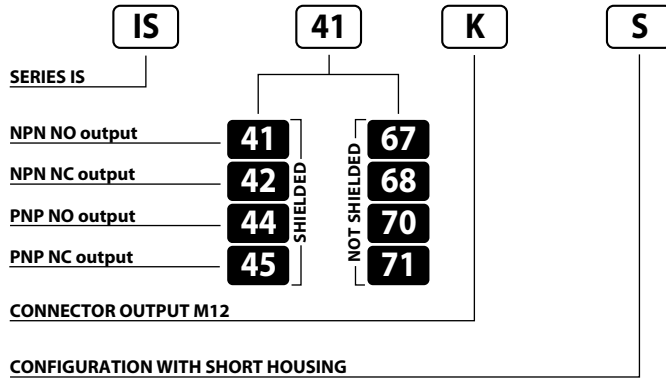
AMPLIFIED INDUCTIVE SENSORS 10÷30 V DC 3 WIRES NPN OR PNP OUTPUT

- Three-wire, amplified, sensors
- Short housing models
- M12 quick connect models
- Operation LED

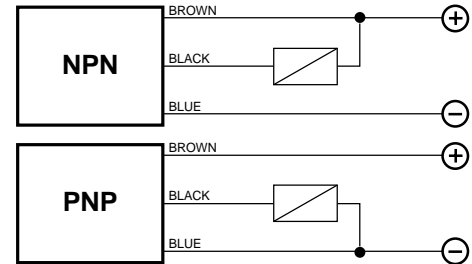
IS Series



Identification code

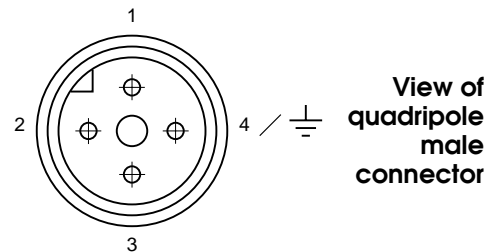


Wiring diagrams



| | SHIELDED | NOT SHIELDED |
|--|---|--------------|
| NOMINAL SWITCHING DISTANCE (S _n) | 5 mm | 8 mm |
| NOMINAL VOLTAGE | 10 ÷ 30 VDC (-15 / +10%) | |
| RESIDUAL RIPPLE | ≤ 10% | |
| HYSTERESIS | < 10% | |
| MAX. OUTPUT CURRENT | 200 mA | |
| RESIDUAL CURRENT | < 10 mA | |
| VOLTAGE DROP | < 1.8 V (I = 100 mA) | |
| OPERATION LED | Yellow | |
| SWITCHING FREQUENCY | 1000 Hz | |
| START UP DELAY | ≤ 50 mS | |
| REPEATABILITY | ≤ 3% | |
| SHORT CIRCUIT PROTECTION | Present (self-resetting) | |
| ELECTRIC PROTECTIONS | Against polarity reversal - inductive loads | |
| TEMPERATURE LIMITS | - 25 ÷ +60 °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 - K1 connector output - | - | |
| WEIGHT - K connector output - | 95 g | |

Connection with connector M12 (K)



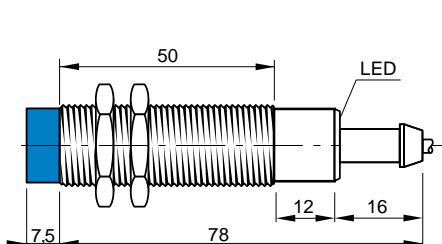
CONTACTS CONFIGURATION

| Available | Contacts numbers | | | |
|-----------|------------------|---|---|-------|
| | 1 | 2 | 3 | 4 |
| NO or NC | + | | - | NO/NC |

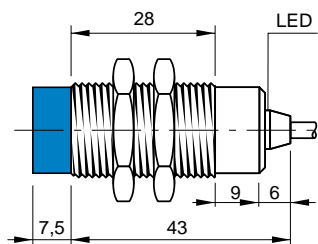
NOTE: The K plug is compatible with the following connectors VAUDEHA, BINDER, HIRSCHMANN, LUMBERG, AMPHENOL-TUCHEL.

Dimensions (mm)

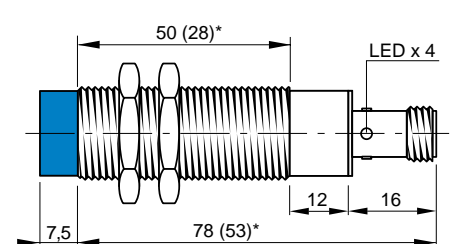
CONFIGURATION WITH CABLE



SHORT HOUSING



CONNECTOR K



(*) The dimensions into brackets refer to short housing models

Note: the front part in blue refers 40 mt shielded models

To locate additional product specifications and technical drawings go to www.asi-ez.com