

VTIN/1808P-FA54

Inductive Sensor

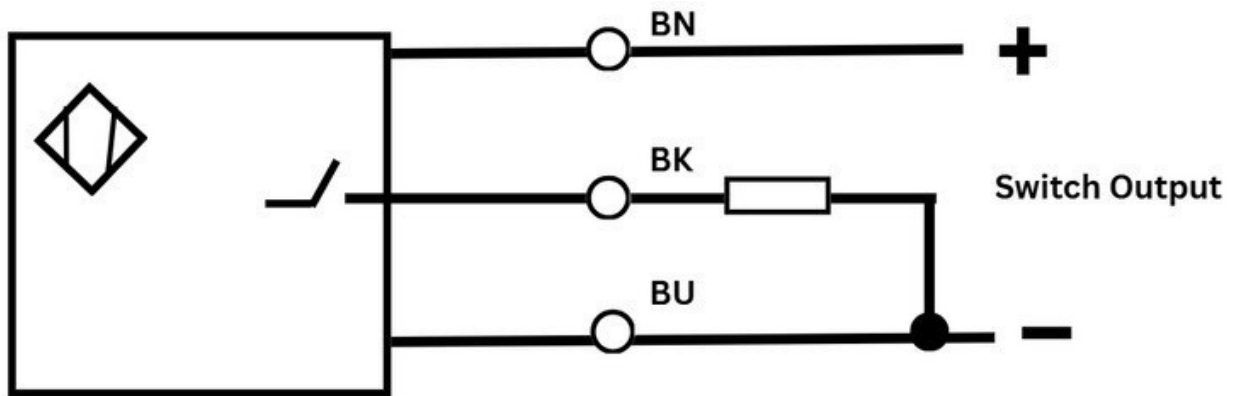


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|---------------------------------|------------------|
| Working principle | Inductive sensor |
| Housing style | Cylindrical |
| Installation type | Flush |
| Sensing distance | 8.0mm±10% |
| Thread size | M18 |
| Sensing Surface Material | PBT |
| Detected objects | Metal sensor |

Technical Data

| | |
|--------------------------|--|
| Indicator | Operating status: LED |
| Sensing range adjustment | None |
| Switching output | Normally open |
| Output Mode | PNP |
| External input | None |
| Switching frequency | 0.5 kHz |
| Repeatability | 1% |
| Hysteresis | 15% or less |
| Operating Voltage | 10~30V DC±10% |
| Current Consumption | ≤10mA |
| Residual Voltage | 2.0 V or less |
| Load Current | 150mA |
| Leakage Current | < 0.01 mA |
| Insulation Resistance | ≥50MΩ (500VDC) between power terminal and housing |
| Dielectric strength | 1000VAC (50/60Hz), 1 minute between the power terminal and housing |
| Vibration Resistance | 10 to 55Hz, amplitude 1.5mm, X/Y/Z axis, 2 hours each |
| Circuit Protection | Short circuit protection |
| Operating temperature | -25~+75°C |
| Protection rating | IP67 |
| Dimensions | M18x82.0mm |
| Material | Nickel-copper alloy +PBT |
| Weight | 0.08kg |
| Connection type | 2m/3 wire cable |
| Operating humidity | 35~85% |

Connecting Diagram (PNP-Output)



1. Please connect the sensor as per above wiring diagram .
2. If the wires are not connected as per connection diagram shown above, the sensor may get defective or not work

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