

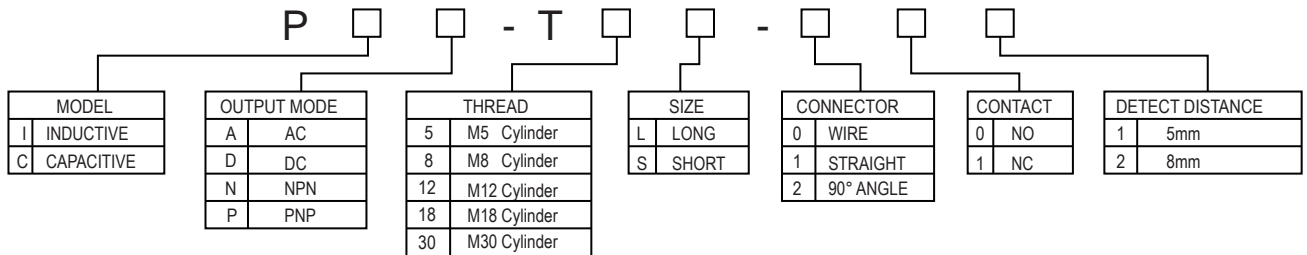
M18 Long Housing - Inductive Sensor



Features:

- Inductive sensor, style: cylinder shape, diameter: 18mm.
- Shielded or unshielded type
- DC 2 wire (10-30V DC), DC 3-wire (10-30V DC), DC-4 wire (10-30V DC), AC 2-wire (90-250 AC) type
- Connection mode: 3/4 wire or 3/4 pin connector
- Mounting distance: shielded (5mm), unshielded (8mm)
- With LED operation indicate lamp, easily identifiable
- Brass chrome plated, proof of oil, water acid, alkaline
- Standard sensing object: ferrous metals
- Protection rate: IP67, water resistant
- Over-current protection
- Widely applied in measuring, Counting, Rpm measuring in mechanism, chemical, paper manufacture light industry, etc.

ORDERING CODE INFORMATION



ORDERING CODES

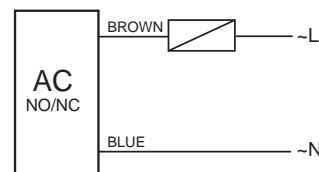
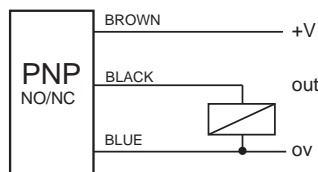
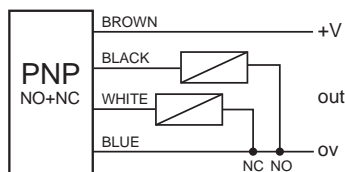
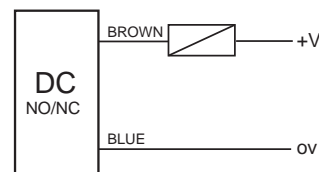
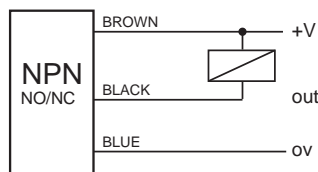
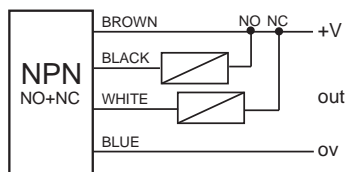
Model and Type	Output type	Mounting distance	Current output	Power supply	Connector model
PIN-T18L-001	NPN NO	5mm,shielded	≤ 200mA	DC 10-30V	3 Wire
PIN-T18L-011	NPN NC	5mm,shielded	≤ 200mA	DC 10-30V	3 Wire
PIN-T18L-002	NPN NO	8mm,unshielded	≤ 200mA	DC 10-30V	3 Wire
PIN-T18L-012	NPN NC	8mm,unshielded	≤ 200mA	DC 10-30V	3 Wire
PIN-T18L-021	NPN NO+NC	5mm,shielded	≤ 200mA	DC 10-30V	4 Wire
PIN-T18L-022	NPN NO+NC	8mm,unshielded	≤ 200mA	DC 10-30V	4 Wire
PIN-T18L-101	NPN NO	5mm,shielded	≤ 200mA	DC 10-30V	Straight Plug-in connector
PIN-T18L-111	NPN NC	5mm,shielded	≤ 200mA	DC 10-30V	Straight Plug-in connector
PIN-T18L-102	NPN NO	8mm,unshielded	≤ 200mA	DC 10-30V	Straight Plug-in connector
PIN-T18L-112	NPN NC	8mm,unshielded	≤ 200mA	DC 10-30V	Straight Plug-in connector
PIN-T18L-121	NPN NO+NC	5mm,shielded	≤ 200mA	DC 10-30V	Straight Plug-in connector
PIN-T18L-122	NPN NO+NC	8mm,unshielded	≤ 200mA	DC 10-30V	Straight Plug-in connector
PIN-T18L-201	NPN NO	5mm,shielded	≤ 200mA	DC 10-30V	90 Degree Plug-in connector
PIN-T18L-211	NPN NC	5mm,shielded	≤ 200mA	DC 10-30V	90 Degree Plug-in connector
PIN-T18L-202	NPN NO	8mm,unshielded	≤ 200mA	DC 10-30V	90 Degree Plug-in connector
PIN-T18L-212	NPN NC	8mm,unshielded	≤ 200mA	DC 10-30V	90 Degree Plug-in connector
PIN-T18L-221	NPN NO+NC	5mm,shielded	≤ 200mA	DC 10-30V	90 Degree Plug-in connector
PIN-T18L-222	NPN NO+NC	8mm,unshielded	≤ 200mA	DC 10-30V	90 Degree Plug-in connector
PIP-T18L-001	PNP NO	5mm,shielded	≤ 200mA	DC 10-30V	3 Wire
PIP-T18L-011	PNP NC	5mm,shielded	≤ 200mA	DC 10-30V	3 Wire
PIP-T18L-002	PNP NO	8mm,unshielded	≤ 200mA	DC 10-30V	3 Wire
PIP-T12L-012	PNP NC	8mm,unshielded	≤ 200mA	DC 10-30V	3 Wire
PIP-T18L-021	PNP NO+NC	5mm,shielded	≤ 200mA	DC 10-30V	4 Wire
PIP-T18L-022	PNP NO+NC	8mm,unshielded	≤ 200mA	DC 10-30V	4 Wire
PIP-T18L-101	PNP NO	5mm,shielded	≤ 200mA	DC 10-30V	Straight Plug-in connector
PIP-T18L-111	PNP NC	5mm,shielded	≤ 200mA	DC 10-30V	Straight Plug-in connector
PIP-T18L-102	PNP NO	8mm,unshielded	≤ 200mA	DC 10-30V	Straight Plug-in connector
PIP-T18L-112	PNP NC	8mm,unshielded	≤ 200mA	DC 10-30V	Straight Plug-in connector
PIP-T18L-121	PNP NO+NC	5mm,shielded	≤ 200mA	DC 10-30V	Straight Plug-in connector
PIP-T18L-122	PNP NO+NC	8mm,unshielded	≤ 200mA	DC 10-30V	Straight Plug-in connector
PIP-T18L-201	PNP NO	5mm,shielded	≤ 200mA	DC 10-30V	90 Degree Plug-in connector
PIP-T18L-211	PNP NC	5mm,shielded	≤ 200mA	DC 10-30V	90 Degree Plug-in connector
PIP-T18L-202	PNP NO	8mm,unshielded	≤ 200mA	DC 10-30V	90 Degree Plug-in connector
PIP-T18L-212	PNP NC	8mm,unshielded	≤ 200mA	DC 10-30V	90 Degree Plug-in connector
PIP-T18L-221	PNP NO+NC	5mm,shielded	≤ 200mA	DC 10-30V	90 Degree Plug-in connector
PIP-T18L-222	PNP NO+NC	8mm,unshielded	≤ 200mA	DC 10-30V	90 Degree Plug-in connector

Model and Type	Output type	Mounting distance	Current output	Power supply	Connector model
PID-T18L-001	DC 2 Wire NO	5mm,shielded	≤ 200mA	DC 10-30V	2 Wire
PID-T18L-011	DC 2 Wire NC	5mm,shielded	≤ 200mA	DC 10-30V	2 Wire
PID-T18L-002	DC 2 Wire NO	8mm,unshielded	≤ 200mA	DC 10-30V	2 Wire
PID-T18L-012	DC 2 Wire NC	8mm,unshielded	≤ 200mA	DC 10-30V	2 Wire
PIA-T18L-001	AC 2 Wire NO	5mm,shielded	≤ 300mA	AC 90-250V	2 Wire
PIA-T18L-011	AC 2 Wire NC	5mm,shielded	≤ 300mA	AC 90-250V	2 Wire
PIA-T18L-002	AC 2 Wire NO	8mm,unshielded	≤ 300mA	AC 90-250V	2 Wire
PIA-T18L-012	AC 2 Wire NC	8mm,unshielded	≤ 300mA	AC 90-250V	2 Wire
PID-T18L-101	DC 2 Wire NO	5mm,shielded	≤ 200mA	DC 10-30V	Straight Plug-in connector
PID-T18L-111	DC 2 Wire NC	5mm,shielded	≤ 200mA	DC 10-30V	Straight Plug-in connector
PID-T18L-102	DC 2 Wire NO	8mm,unshielded	≤ 200mA	DC 10-30V	Straight Plug-in connector
PID-T18L-112	DC 2 Wire NC	8mm,unshielded	≤ 200mA	DC 10-30V	Straight Plug-in connector
PID-T18L-201	DC 2 Wire NO	5mm,shielded	≤ 200mA	DC 10-30V	90 Degree Plug-in connector
PID-T18L-211	DC 2 Wire NC	5mm,shielded	≤ 200mA	DC 10-30V	90 Degree Plug-in connector
PID-T18L-202	DC 2 Wire NO	8mm,unshielded	≤ 200mA	DC 10-30V	90 Degree Plug-in connector
PID-T18L-212	DC 2 Wire NC	8mm,unshielded	≤ 200mA	DC 10-30V	90 Degree Plug-in connector
PIA-T18L-101	AC 2 Wire NO	5mm,shielded	≤ 300mA	AC 90-250V	Straight Plug-in connector
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PIA-T18L-112	AC 2 Wire NC	8mm,unshielded	≤ 300mA	AC 90-250V	Straight Plug-in connector
PIA-T18L-201	AC 2 Wire NO	5mm,shielded	≤ 300mA	AC 90-250V	90 Degree Plug-in connector
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PIA-T18L-202	AC 2 Wire NO	8mm,unshielded	≤ 300mA	AC 90-250V	90 Degree Plug-in connector
PIA-T18L-212	AC 2 Wire NC	8mm,unshielded	≤ 300mA	AC 90-250V	90 Degree Plug-in connector

TECHNICAL SPECIFICATIONS

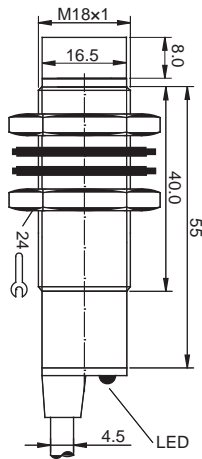
Property project	Specific parameter
Mounting distance	shielded (5mm) / unshielded(8mm)
Sensing distance	shielded (0-4mm) / unshielded (0-6.4mm)
Power supply	DC 10-30V / AC 90-250V
Frequency	DC: shielded ≤ 400Hz; unshielded ≤ 200Hz / AC: ≤ 20Hz
Current output	DC: ≤ 200mA / AC: ≤ 300mA
Ambient temperature	-20°C-70°C
Protection	DC: Over-current & polarity or no (please indicate when ordering) / AC: no
IP rating	IP67

ELECTRICAL CONNECTION DRAWING

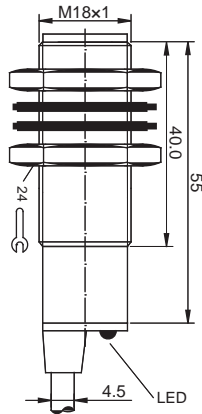


PICTURE OF PRODUCT MIX

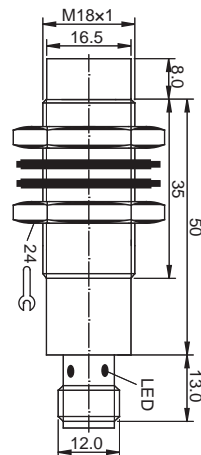
A: Wires & Unshielded



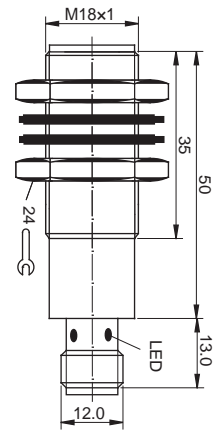
B: Wires & Shielded



C: Connector & Unshielded



D: Connector & Shielded



M18 Long Housing
All dimensions in millimeters (mm) nominal.

IPS INDUCTIVE PROXIMITY APPLICATION DIRECTIONS

- Set mounting distance equal to 80% of S_n .
- Set mounting distance roughly equal to 50% of S_n when sensor is used measuring mounting frequency or operating in high speed circumstances.
- Mounting distance will change depending on material (iron, stainless steel, brass, copper and aluminum).

REV. NO.

REVISION NOTE.

DATE

SIGNATURE

Original

Nov 2007

LG

TAKE A LOOK AT OUR VARIETY OF PRODUCTS



Float Switches



Acceleration / Shock Switches



Movement Sensors



Tilt / Tip Switches



Reed Relays



Solid State Relays



High Breakdown Switches



Reed Switches



Magnets



Electronic Tilt / Tip Over



Low Cost - Non Mercury Switches



Rubber Keymats - Silicone Rubber

FORM AE043 ISS.2



ISO 9001:2000
Reg. No FM 21080

As part of the company policy of continued product improvement, specifications may change without notice. Our sales office will be pleased to help you with the latest information on this product range and the details of our full design and manufacturing service. All products are supplied to our standard conditions of sale unless otherwise agreed in writing.

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