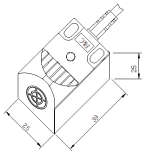
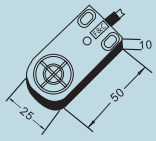
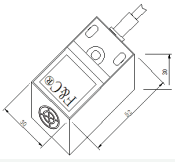
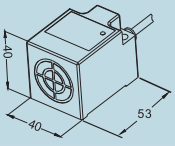
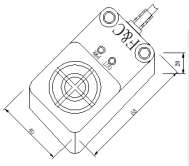
Large Rectangular proximity sensor



Features:

- Long distance detection
- Full short-circuit protection and reverse polarity protection.
- Customized requirement acceptable.

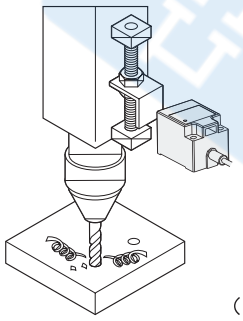
Procurement guide

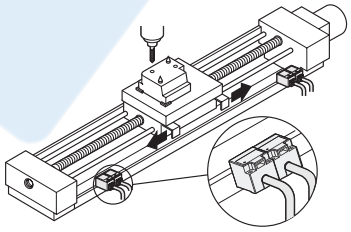
Category	Model	detection mode	detection distance	Standard Detection	entry cable
	F3N-25TN10-N R2M F3N-25TN10-N2 R2M F3N-25TN10-P R2M F3N-25TN10-P2 R2M	NPN. NO NPN. NC PNP. NO PNP. NC	(Maximum detection range) 10mm 0~8mm (Stable detection range)	30×30×1（iron）	Φ4×2M/3-wires M8 connector with 150mm pre-wired cable
	F3N-25DN10-N R2M F3N-25DN10-N2 R2M F3N-25DN10-P R2M F3N-25DN10-P2 R2M	NPN. NO NPN. NC PNP. NO PNP. NC	(Maximum detection range) 10mm 0~8mm (Stable detection range)	30×30×1（iron）	Φ4×2M/3-wires M8 connector with 150mm pre-wired cable
	F3N-30TN15-N R2M F3N-30TN15-N2 R2M F3N-30TN15-P R2M F3N-30TN15-P2 R2M	NPN. NO NPN. NC PNP. NO PNP. NC	(Maximum detection range) 15mm 0~12mm (Stable detection range)	45×45×1（iron）	Φ4×2M/3-wires M8 connector with 150mm pre-wired cable
	F3N-40TN20-N R2M F3N-40TN20-N2 R2M F3N-40TN20-P R2M F3N-40TN20-P2 R2M	NPN. NO NPN. NC PNP. NO PNP. NC	(Maximum detection range) 20mm 0~16mm (Stable detection range)	60×60×1（iron）	Φ4×2M/3-wires M8 connector with 150mm pre-wired cable
	F3N-40DN20-N R2M F3N-40DN20-N2 R2M F3N-40DN20-P R2M F3N-40DN20-P2 R2M	NPN. NO NPN. NC PNP. NO PNP. NC	(Maximum detection range) 20mm 0~16mm (Stable detection range)	60×60×1（iron）	Φ4×2M/3-wires M8 connector with 150mm pre-wired cable

Note: /D= sensor with M8 connector directly;
/15D= M8 connector with 150mm pre-wire cable

Applications:

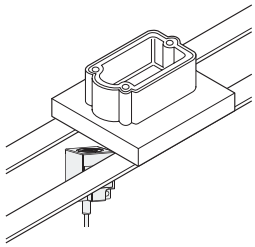
（Detection of the depth of drill）

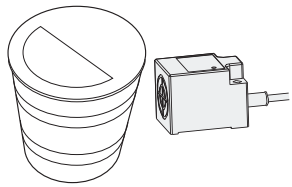




（Mobile slide-out limit and the origin）

（Positioning the workpiece in the welding stage）





（Detection of aluminum cap）

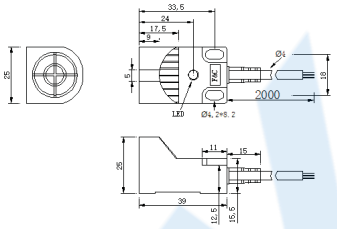
Large Rectangular proximity sensor

Specifications

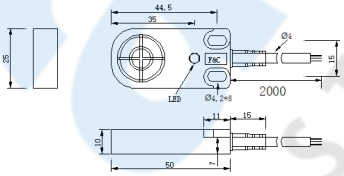
Model/ Specifications	F3N-25TN10-N R2M F3N-25TN10-N2 R2M F3N-25TN10-P R2M F3N-25TN10-P2 R2M	F3N-25DN10-N R2M F3N-25DN10-N2 R2M F3N-25DN10-P R2M F3N-25DN10-P2 R2M	F3N-30TN15-N R2M F3N-30TN15-N2 R2M F3N-30TN15-P R2M F3N-30TN15-P2 R2M	F3N-40TN20-N R2M F3N-40TN20-N2 R2M F3N-40TN20-P R2M F3N-40TN20-P2 R2M	F3N-25DN10-N R2M F3N-25DN10-N2 R2M F3N-25DN10-P R2M F3N-25DN10-P2 R2M
Scanning distance/	10mm	10mm	15mm	20mm	20mm
Recommened distance/	8mm	8mm	12mm	16mm	16mm
Standard sensing object/	30×30×1(iron)	30×30×1(iron)	45×45×1（iron）	60×60×1（iron）	60×60×1（iron）
Response Frequency/	600Hz				
Hysteresis/	≤10%				
Operating voltage	12～24VDC 10%				
Current consumption	＜10 mA				
Load current	24V 100mA Max				
Leakage current	＜0.01mA No-load				
Protection circuit/	Reversed supply circuit protection, short circuit protection output				
Residual voltage	＜1. 0VDC				
Operating temperature	-25℃～+70℃				
Material/	PBT/ABS				
Wiring method	Ø4.0×2M/3-wires /Ø4.0×2M/2-wires				
Protection degree	IP67				

Dimensions:

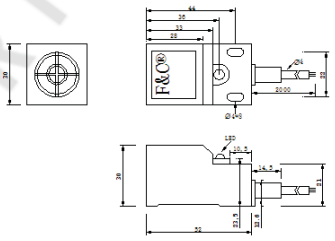
F3N-25TN10-N R2M (N2/P/P2)



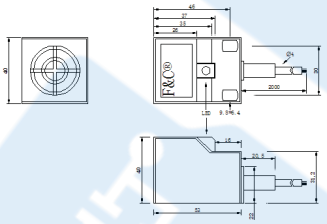
F3N-25DN10-N R2M (N2/P/P2)



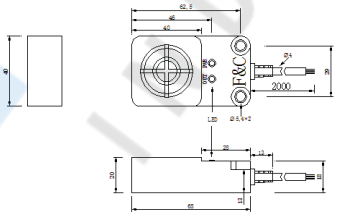
F3N-30TN15-N R2M(N2/P/P2)



F3N-40TN20-N R2M (N2/P/P2)

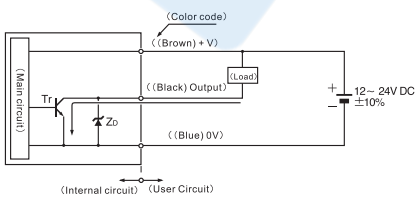


F3N-40DN20-N R2M (N2/P/P2)

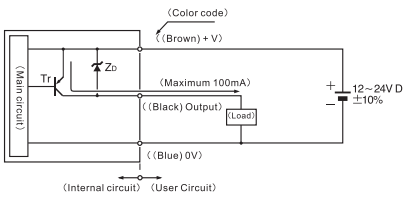


wiring schemes:

NPN. NO/NPN. NC



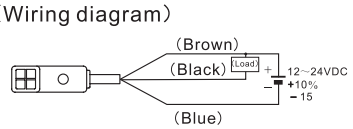
PNP. NO/PNP. NC



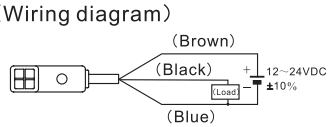


1 12-24VDC
2 (Control output)
3 0V

(Wiring diagram)



(Wiring diagram)



(Wiring diagram)

