

Analog Output-TA Series

Pre-wired



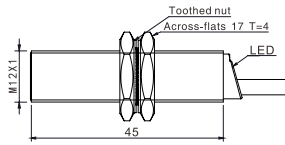
Basic Features	Working principle	Inductive sensor					
	Housing	Cylindrical					
	Installation type	Flush			Non-flush		
	Sensing distance	0.1~3mm ± 10%	1~4mm ± 10%	5~10mm ± 10%	0.1~4mm ± 10%	1~7mm ± 10%	7~14mm ± 10%
	Thread size	M12	M18	M30	M12	M18	M30
	Sensing surface material	PBT					
	Detected objects	Metal					
	Indicator	Operation Status: LED					
	Sensing range adjustment	Available					
	Switching output	-					
Electrical data	Output mode	PNP-Analog					
	External input	None					
	Switching frequency	0.1kHz					
	Repeatability	2%					
	Hysteresis	20%					
	Operating Voltage	18~30V DC ± 10%					
	Current consumption	≤15mA					
	Residual Voltage	-					
	Load current	-					
	Leakage current	-					
	Insulation resistance	≥50MΩ with 500V DC between power terminals and enclosure					
	Dielectric strength	1,000 VAC, 50/60 Hz for 1 min between power terminals and enclosure					
	Vibration resistance	10 to 55 Hz, 1.5 mm double amplitude, 2 hours for each X, Y, and Z directions					
	Circuit Protection	Reverse Polarity Protection					
Environmental conditions	Operating Temperature	-25~75°C					
	Operating Humidity	35~85%					
	Enclosure rating	IP67					
Mechanical data	Connection type	2m/3-core Cable					
	Dimension	M12x45.0mm	M18x54.0mm	M30x54.0mm	M12x44.0mm	M18x54.0mm	M30x58.0mm
	Material	Copper-nickel alloy+PBT					
	Weight	0.05kg	0.08kg	0.12kg	0.05kg	0.08kg	0.12kg
	Accessories	Nut M12x1.0	Nut M18x1.0	Nut M30x1.5	Nut M12x1.0	Nut M18x1.0	Nut M30x1.5
Model	Current output (normally open)	TAF12-03PA	TAF18-04PA	TAF30-10PA	TAN12-04PA	TAN18-07PA	TAN30-14PA
	Voltage output (normally open)	TAF12-03PV	TAF18-04PV	TAF30-10PV	TAN12-04PV	TAN18-07PV	TAN30-14PV

Unit:mm

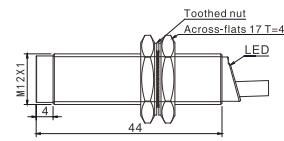
Dimensions

M12

TAF12-03□□

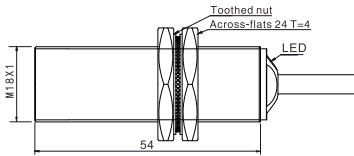


TAN12-04□□

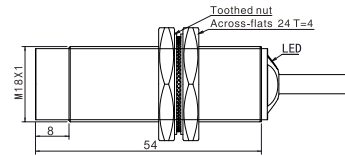


M18

TAF18-04□□

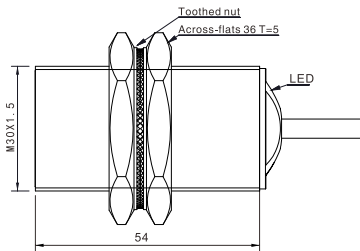


TAN18-07□□

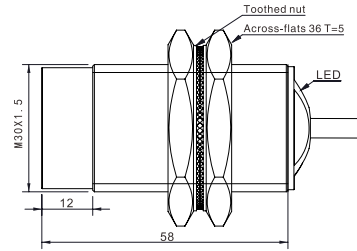


M30

TAF30-10□□



TAN30-14□□



- Fiber Optic
- Slot Sensors
- Photoelectric
- Laser
- Proximity
- Displacement
- Magnetic
- Contact
- Area
- Ultrasonic
- AI Image
- Code Readers
- Vibration
- Temperature
- RFID
- Safety door lock
- Pressure Switch
- Communication
- Accessories

Guidance

Inductive sensors

- Standard distance
- Extended distance
- Long distance
- Square
- Mini square
- Mini-cylindrical
- Short-body
- Ring-type
- Metal face
- Temperature resistance type
- IP69K high protection
- Anti-Slag

Analog output

- DC 2 wires

Capacitive sensors

- Cylindrical
- Correction resistant type
- Flat type
- Level detection