

Metal Face

Pre-wired



Appearance

Mounting	Shielded			
Housing size	M8	M12	M18	M30
Sensing distance	1mm/2mm ± 10%	2mm/4mm ± 10%	5mm/8mm ± 10%	10mm/16mm ± 10%
Housing material	Stainless steel			
Operating voltage	10~30V DC(Ripple < 10%)			
Voltage drop	< 1.5V			
Load Current, Max	150mA			
Current consumption	< 10mA			
Leakage current	< 0.01mA			
Switch frequency	2KHz/1KHz		1KHz/500Hz	300Hz/150Hz
Repeat accuracy	< 1.0%(Sr)			
Hysteresis	< 15%(Sr)			
Sensing surface material	Stainless steel			
Operating Temperature	-25℃~+75℃			
Protective circuit	Short circuit			
Degree of protection	IP67			
Model No.	NPN Normally open Others	TMF08-01[NO]/TMF08-02[NO] [NO]:NPN Normally open	TMF12-02[NO]/TMF12-04[NO] [NO]:NPN Normally closed [PO]:PNP Normally open [PC]:PNP Normally closed	TMF18-05[NO]/TMF18-08[NO] TMF30-10[NO]/TMF30-16[NO]

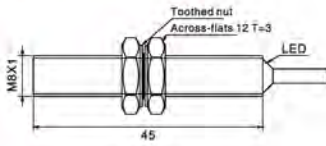


Appearance

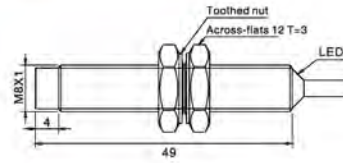
Mounting	Unshielded			
Housing size	M8	M12	M18	M30
Sensing distance	2mm/3mm ± 10%	4mm/8mm ± 10%	8mm/16mm ± 10%	15mm/25mm ± 10%
Housing material	Stainless steel			
Operating voltage	10~30V DC(Ripple < 10%)			
Voltage drop	< 1.5V			
Load Current, Max	150mA			
Current consumption	< 10mA			
Leakage current	< 0.01mA			
Switch frequency	2KHz/1KHz	1KHz/500Hz	500Hz/150Hz	150Hz/100Hz
Repeat accuracy	< 1.0%(Sr)			
Hysteresis	< 15%(Sr)			
Sensing surface material	Stainless steel			
Operating Temperature	-25℃~+75℃			
Protective circuit	Short circuit			
Degree of protection	IP67			
Model No.	NPN Normally open Others	TMN08-02[NO]/TMN08-03[NO] [NO]:NPN Normally open	TMN12-04[NO]/TMN12-08[NO] [NO]:NPN Normally closed [PO]:PNP Normally open [PC]:PNP Normally closed	TMN18-08[NO]/TMN18-16[NO] TMN30-15[NO]/TMN30-25[NO]

M8

TMF08-01/02□□

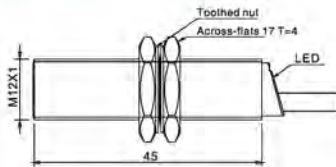


TMN08-02/03□□

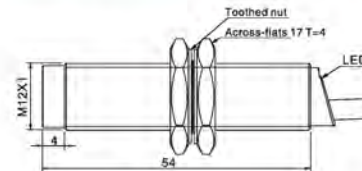


M12

TMF12-02/04□□

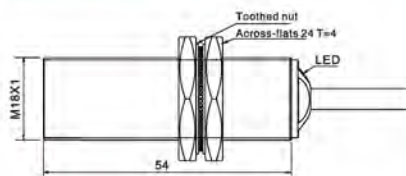


TMN12-04/08□□

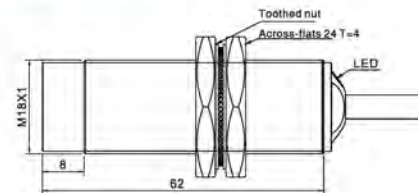


M18

TMF18-05/08□□

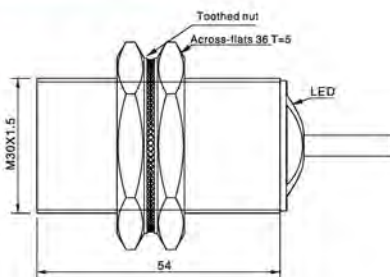


TMN18-08/16□□

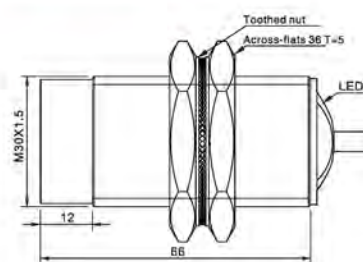


M30

TMF30-10/16□□



TMN30-15/25□□



Fiber Optic
Slot Sensors
Photoelectric
Laser
Proximity
Displacement
Magnetic
Contact
Area
Ultrasonic
Vision
Vibration
Temperature
Annexes

Guidance

Inductive sensors

Standard distance
Extended distance
Long distance
Square
Mini square
Mini-cylindrical
Short-body
Ring-type
Metal face
Temperature
Analog output
DC 2 wires
IP69K high protection

Capacitive sensors

Cylindrical
Correction
resistant type
Flat type
Level detection