

## Pre-wired



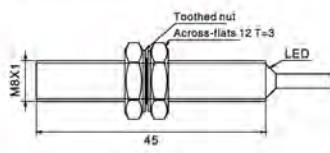
Appearance		Shielded				
Mounting		M8	M12	M18	M30	
Housing size		1mm/2mm ± 10%	2mm/4mm ± 10%	5mm/8mm ± 10%	10mm/16mm ± 10%	
Sensing distance						
Housing material				Stainless steel		
Operating voltage				10~30V DC(Ripple < 10%)		
Voltage drop				< 1.5V		
Fiber Optic	Load Current, Max			150mA		
Slot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



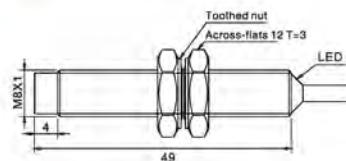
Appearance		Unshielded				
Mounting		M8	M12	M18	M30	
Housing size		2mm/3mm ± 10%	4mm/8mm ± 10%	8mm/16mm ± 10%	15mm/25mm ± 10%	
Sensing distance						
Housing material				Stainless steel		
Operating voltage				10~30V DC(Ripple < 10%)		
Voltage drop				< 1.5V		
Load Current, Max				150mA		
Current consumption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

M8

TMF08-01/02□□

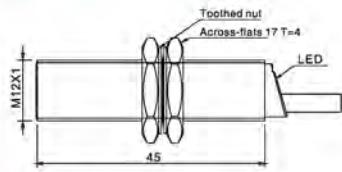


TMN08-02/03□□

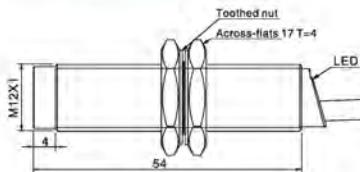


M12

TMF12-02/04□□

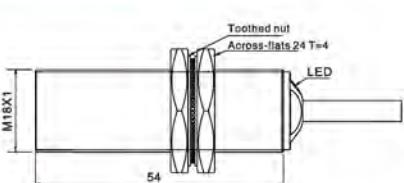


TMN12-04/08□□

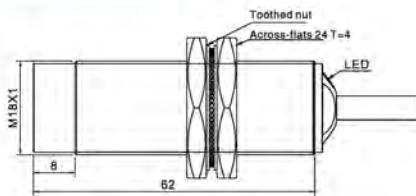


M18

TMF18-05/08□□

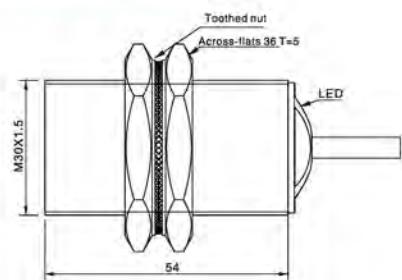


TMN18-08/16□□

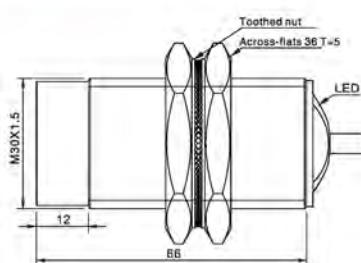


M30

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 wires  
IP69K high protection

Capacitive sensors  
Cylindrical  
Correction  
resistance type  
Flat type  
Level detection