

# Metal Face

## Pre-wired

Proximity



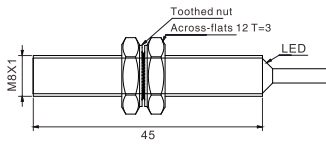
Appearance					
Mounting	Shielded				
Size	M8	M12	M18	M30	
Sensing distance	1mm/2mm ± 10%	2mm/4mm ± 10%	5mm/8mm ± 10%	10mm/16mm ± 10%	
Housing material	Stainless steel				
Operating voltage	10~30V DC(Ripple < 10%)				
Voltage drop	< 1.5V				
Load Current, Max	150mA				
Current consumption	< 10mA				
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°C~+75°C				
Circuit protection	Short circuit				
Degree of protection	IP67				
Model No.	NPN Normally open	TMF08-01 <a href="#">NCO</a> /TMF08-02 <a href="#">NCO</a>	TMF12-02 <a href="#">NCO</a> /TMF12-04 <a href="#">NCO</a>	TMF18-05 <a href="#">NCO</a> /TMF18-08 <a href="#">NCO</a>	TMF30-10 <a href="#">NCO</a> /TMF30-16 <a href="#">NCO</a>
	Others	<a href="#">NCO</a> :NPN Normally open	<a href="#">NCC</a> :NPN Normally closed	<a href="#">PCO</a> :PNP Normally open	<a href="#">PCC</a> :PNP Normally closed



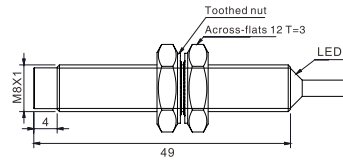
Appearance					
Mounting	Unshielded				
Size	M8	M12	M18	M30	
Sensing distance	2mm/3mm ± 10%	4mm/8mm ± 10%	8mm/16mm ± 10%	15mm/25mm ± 10%	
Housing material	Stainless steel				
Operating voltage	10~30V DC(Ripple < 10%)				
Voltage drop	< 1.5V				
Load Current, Max	150mA				
Current consumption	< 10mA				
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°C~+75°C				
Circuit protection	Short circuit				
Degree of protection	IP67				
Model No.	NPN Normally open	TMN08-02 <a href="#">NCO</a> /TMN08-03 <a href="#">NCO</a>	TMN12-04 <a href="#">NCO</a> /TMN12-08 <a href="#">NCO</a>	TMN18-08 <a href="#">NCO</a> /TMN18-16 <a href="#">NCO</a>	TMN30-15 <a href="#">NCO</a> /TMN30-25 <a href="#">NCO</a>
	Others	<a href="#">NCO</a> :NPN Normally open	<a href="#">NCC</a> :NPN Normally closed	<a href="#">PCO</a> :PNP Normally open	<a href="#">PCC</a> :PNP Normally closed

#### M8

TMF08-01/02 □□

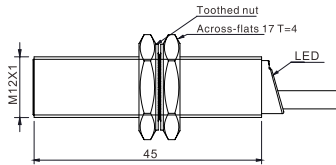


TMN08-02/03 □□

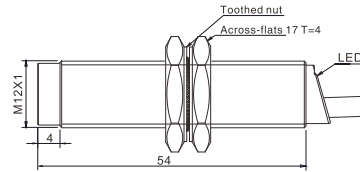


#### M12

TMF12-02/04 □□

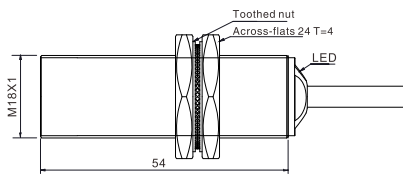


TMN12-04/08 □□

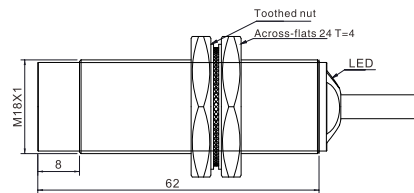


#### M18

TMF18-05/08 □□

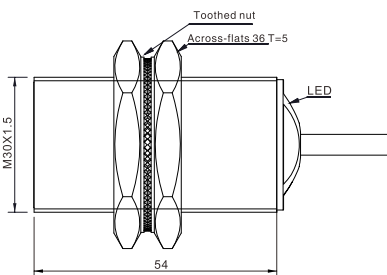


TMN18-08/16 □□

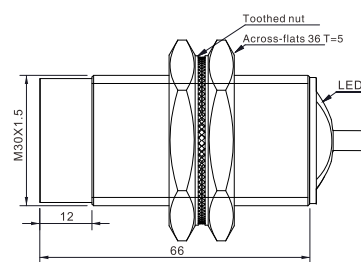


#### M30

TMF30-10/16 □□



TMN30-15/25 □□



- Fiber Optic
- Slot Sensors
- Photoelectric
- Laser
- Proximity**
- Displacement
- Magnetic
- Contact
- Area
- Ultrasonic
- Vision
- Code Readers
- Vibration
- Temperature
- Accessories

#### Guidance

#### Inductive sensors

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

#### Capacitive sensors

- Cylindrical
- Correction resistanc type
- Flat type
- Level detection