

# Metal Face

## Pre-wired



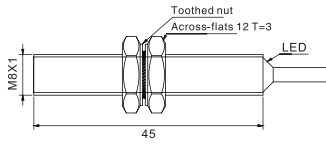
Appearance				
Mounting	Shielded			
Housing size	M8	M12	M18	M30
Sensing distance	1mm/2mm ± 10%	2mm/4mm ± 10%	5mm/8mm ± 10%	10mm/16mm ± 10%
Housing material	Stainless steel			
Operating voltage	10~30V DC(Ripple < 10%)			
Voltage drop	< 1.5V			
Load Current, Max	150mA			
Current consumption	< 10mA			
Leakage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



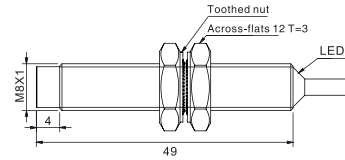
Appearance				
Mounting	Unshielded			
Housing size	M8	M12	M18	M30
Sensing distance	2mm/3mm ± 10%	4mm/8mm ± 10%	8mm/16mm ± 10%	15mm/25mm ± 10%
Housing material	Stainless steel			
Operating voltage	10~30V DC(Ripple < 10%)			
Voltage drop	< 1.5V			
Load Current, Max	150mA			
Current consumption	< 10mA	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

### M8

TMF08-01/02 □ □

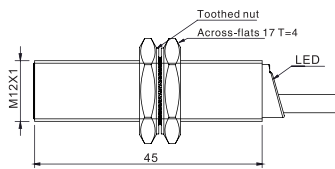


TMN08-02/03 □ □

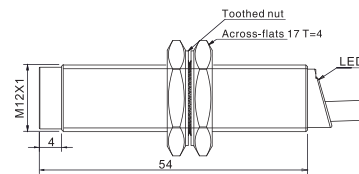


### M12

TMF12-02/04 □ □

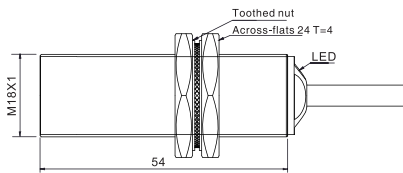


TMN12-04/08 □ □

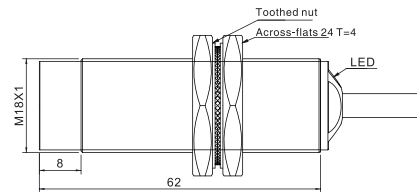


### M18

TMF18-05/08 □ □

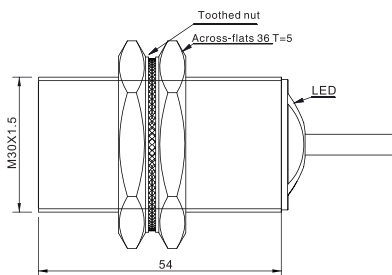


TMN18-08/16 □ □



### M30

TMF30-10/16 □ □



TMN30-15/25 □ □

