

Standard Distance

Pre-wired

   											
Appearance											
Mounting	Shielded		Shielded			Unshielded		Unshielded			
Size	φ 6.5	M8	M12	M18	M30	φ 6.5	M8	M12	M18	M30	
Sensing distance	1.5mm ± 10%	1.5mm ± 10%	2mm ± 10%	5mm ± 10%	10mm ± 10%	2mm ± 10%	2mm ± 10%	4mm ± 10%	8mm ± 10%	15mm ± 10%	
Housing material	Stainless steel		Nickel copper alloy			Stainless steel		Nickel copper alloy			
Operating voltage	10~30V DC(Ripple < 10%)										
Voltage drop	< 1.5V	< 2.0V				< 1.5V	< 2.0V				
Load Current, Max	150mA										
Current consumption	< 10mA								< 20mA		
Leakage current	< 0.01mA										
Switch frequency	2KHz	1.5KHz	1KHz		300Hz	2KHz	1KHz	800Hz	500Hz	150Hz	
Repeat accuracy	< 1.0% (Sr)							< 5.0% (Sr)	< 1.0% (Sr)		
Hysteresis	< 15% (Sr)										
Sensing surface material	PBT										
Operating temperature	-25℃~+75℃										
Circuit Protection	Short circuit										
Degree of protection	IP67										
Model No.	NPN Normally open	TRF6.5-1.5	TRF08-1.5	TRF12-02	TRF18-05	TRF30-10	TRN6.5-02	TRN08-02	TRN12-04	TRN18-08	TRN30-15
	Others	:NPN Normally open		:NPN Normally closed		:PNP Normally open		:PNP Normally closed			

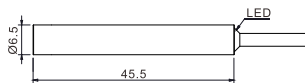
Connector Type



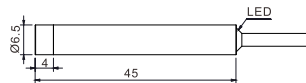

Appearance									
Mounting	Shielded				Unshielded				
Size	M8	M12	M18	M30	M8	M12	M18	M30	
Sensing distance	1.5mm ± 10%	2mm ± 10%	5mm ± 10%	10mm ± 10%	2mm ± 10%	4mm ± 10%	8mm ± 10%	15mm ± 10%	
Housing material	Stainless steel	Nickel copper alloy			Stainless steel	Nickel copper alloy			
Operating voltage	10~30V DC(Ripple < 10%)								
Voltage drop	< 1.5V								
Load Current Max	150mA								
Current consumption	< 10mA								
Leakage current	< 0.01mA								
Switch frequency	1.5KHz	2KHz	1KHz	300Hz	1KHz	500Hz	150Hz		
Repeat accuracy	< 1.0% (Sr)								
Hysteresis	< 15% (Sr)								
Sensing surface material	PBT								
Operating temperature	-25℃~+75℃								
Circuit Protection	Short circuit								
Degree of protection	IP67								
Model No.	NPN Normally open	TRF08-1.5	TRF12-02	TRF18-05	TRF30-10	TRN08-02	TRN12-04	TRN18-08	TRN30-15
	Others	:NPN Normally open		:NPN Normally closed		:PNP Normally open		:PNP Normally closed	

φ6.5

TRF6.5-1.5□□

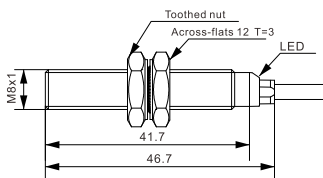


TRN6.5-02□□

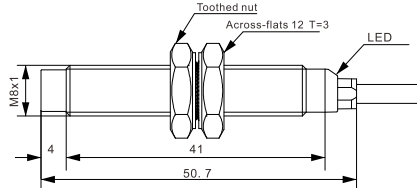


M8

TRF08-1.5□□

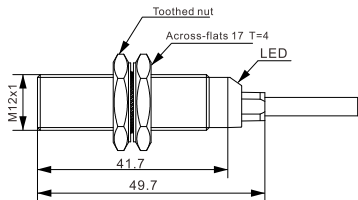


TRN08-02□□

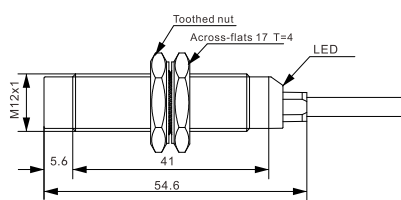


M12

TRF12-02□□

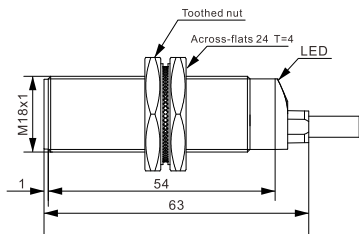


TRN12-04□□

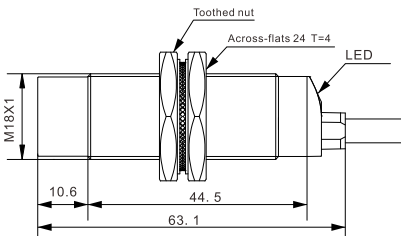


M18

TRF18-05□□

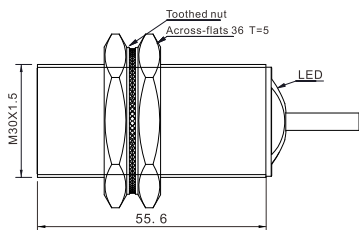


TRN18-08□□

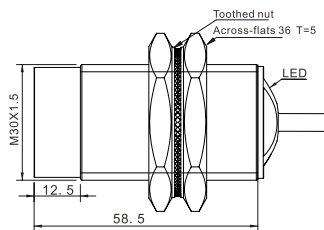


M30

TRF30-10□□



TRN30-15□□



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