

Long Distance

Pre-wired

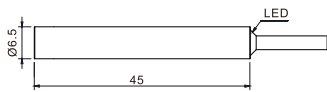
Appearance																				
	Shielded		Shielded					Unshielded		Unshielded										
Mounting	Shielded		Shielded					Unshielded		Unshielded										
Housing size	φ 6.5	M8	M12	M18	M30	φ 6.5	M8	M12	M18	M30										
Sensing distance	3mm ± 10%	3mm ± 10%	6mm ± 10%	12mm ± 10%	22mm ± 10%	6mm ± 10%	6mm ± 10%	10mm ± 10%	20mm ± 10%	40mm ± 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	1KHz		800Hz	300Hz	150Hz	500Hz		400Hz	100Hz											
Repeat accuracy	< 5.0% (Sr)																			
Hysteresis	< 15% (Sr)																			
Sensing surface material	PBT																			
Operating Temperature	-25℃~+75℃																			
Protective circuit	Short circuit																			
Degree of protection	IP67																			
Model No.	NPN Normally open	TYF6.5-03NO	TYF08-03NO	TYF12-06NO	TYF18-12NO	TYF30-22NO	TYN6.5-06NO	TYN08-06NO	TYN12-10NO	TYN18-20NO	TYN30-40NO									
	Others	NO:NPN Normally open		NC:NPN Normally closed		PO:PNP Normally open		PC:PNP Normally closed												

Connector Type

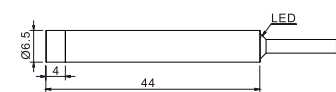
Appearance									
		Shielded				Unshielded			
Mounting									
Housing size	M8	M12	M18	M30	M8	M12	M18	M30	
Sensing distance	3mm ± 10%	6mm ± 10%	12mm ± 10%	22mm ± 10%	6mm ± 10%	10mm ± 10%	20mm ± 10%	40mm ± 10%	
Housing material	Stainless steel	Nickel copper alloy			Stainless steel	Nickel copper alloy			
Operating voltage	10~30V DC(Ripple < 10%)								
Voltage drop	< 1.5V								
Load Current , Max	150mA								
Current consumption	< 10mA								
Leakage current	< 0.01mA								
Switch frequency	1KHz	800Hz	300Hz	150Hz	500Hz	400Hz	100Hz		
Repeat accuracy	< 5.0% (Sr)								
Hysteresis	< 15% (Sr)								
Sensing surface material	PBT								
Operating Temperature	-25℃~+75℃								
Protective circuit	Short circuit								
Degree of protection	IP67								
Model No.	NPN Normally open	TYF08-03NO-E1	TYF12-06NO-E2	TYF18-12NO-E2	TYF30-22NO-E2	TYN08-06NO-E1	TYN12-10NO-E2	TYN18-20NO-E2	TYN30-40NO-E2
	Others	NO:NPN Normally open		NC:NPN Normally closed		PO:PNP Normally open		PC:PNP Normally closed	

φ6.5

TYF6.5-03□□

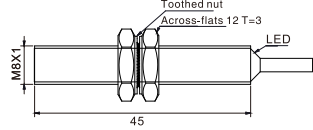


TYN6.5-06□□

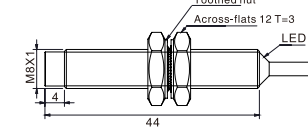


M8

TYF08-03□□

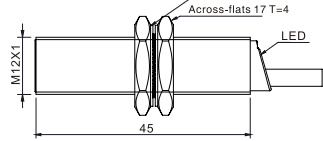


TYN08-06□□

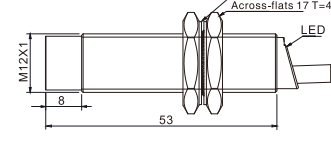


M12

TYF12-06□□

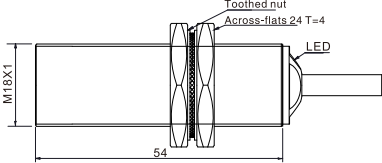


TYN12-10□□

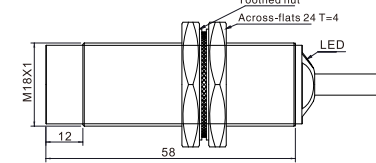


M18

TYF18-12□□

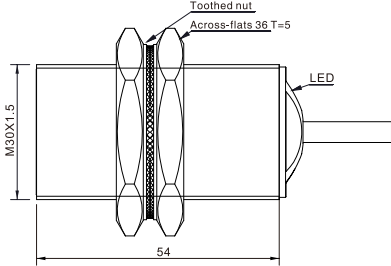


TYN18-20□□

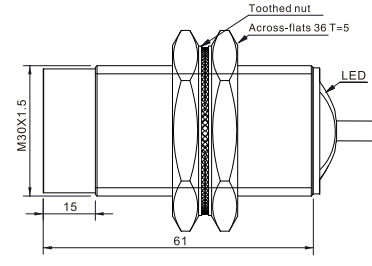


M30

TYF30-22□□



TYN30-40□□



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

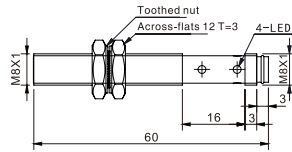
Capacitive sensors
Cylindrical
Correction resistanc type
Flat type
Level detection

Long Distance

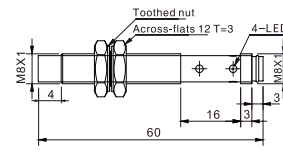
Dimensions-Connector Type (Unit:mm)

M8

TYF08-03□□-E1

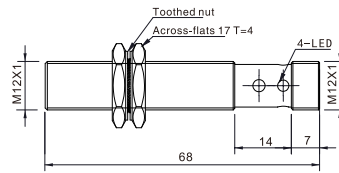


TYN08-06□□-E1

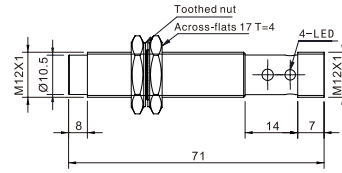


M12

TYF12-06□□-E2

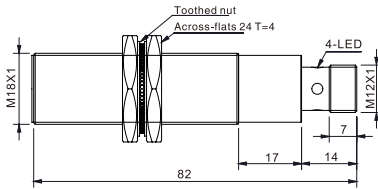


TYN12-10□□-E2

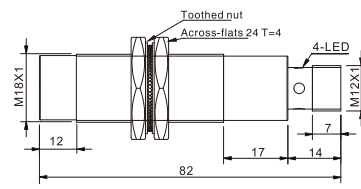


M18

TYF18-12□□-E2

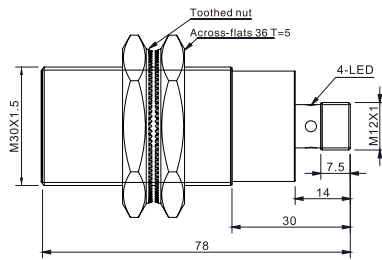


TYN18-20□□-E2

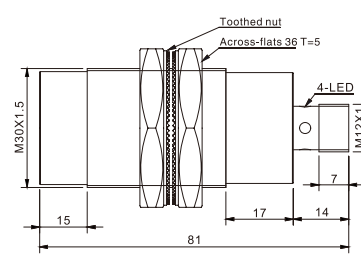


M30

TYF30-22□□-E2



TYN30-40□□-E2



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