

Pre-wired Type

Proximity

Appearance																								
Mounting	Shielded	Shielded		Unshielded																				
Housing size	φ 6.5	M8	M12	M18	M30	φ 6.5	M8	M12	M18	M30														
Sensing distance	2mm ± 10%	2mm ± 10%	4mm ± 10%	8mm ± 10%	16mm ± 10%	4mm ± 10%	4mm ± 10%	8mm ± 10%	16mm ± 10%	25mm ± 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																							
Leakage current	< 0.01mA																							
Switch frequency	2KHz	1KHz	800Hz	500Hz	150Hz	1KHz	800Hz	300Hz	150Hz	100Hz														
Repeat accuracy	< 1.0% (Sr)	< 5.0% (Sr)			< 1.0% (Sr)	< 5.0% (Sr)																		
Hysteresis	< 15% (Sr)																							
Sensing surface material	PBT																							
Operating temperature	-25°C~+75°C																							
Protective circuit	Short circuit																							
Degree of protection	IP67																							
Model No.	NPN Normally open	TLF6.5-02NO	TLF08-02NO	TLF12-04NO	TLF18-08NO	TLF30-16NO	TLN6.5-04NO	TLN08-04NO	TLN12-08NO	TLN18-16NO	TLN30-25NO													
Others	NO: NPN Normally open NC: NPN Normally closed PO: PNP Normally open PC: PNP Normally closed																							

- Fiber Optic
- Slot Sensors
- Photoelectric
- Laser
- Proximity
- Displacement
- Magnetic
- Contact
- Area
- Ultrasonic
- Vibration
- Temperature
- Cables
- Tester

Connector Type

- 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 resistance type
- Flat type
- Level detection

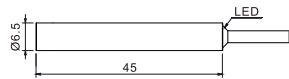
Appearance																	
Mounting	Shielded																
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Repeat accuracy	< 1.0% (Sr)																
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Sensing surface material	PBT																
Operating temperature	-25°C~+75°C																
Protective circuit	Short circuit																
Degree of protection	IP67																
Model No.	TLF08-02NO-E1	TLF12-04NO-E2	TLF18-08NO-E2	TLF30-16NO-E2	TLN08-04NO-E1	TLN12-08NO-E2	TLN18-16NO-E2	TLN30-25NO-E2									
Others	NO: NPN Normally open NC: NPN Normally closed PO: PNP Normally open PC: PNP Normally closed																

Extended Distance

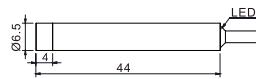
Dimensions-Pre-wired Type (Unit:mm)

φ6.5

TLF6.5-02□□

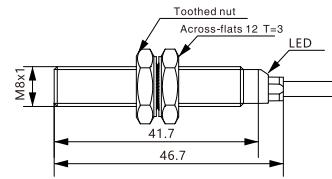


TLN6.5-04□□

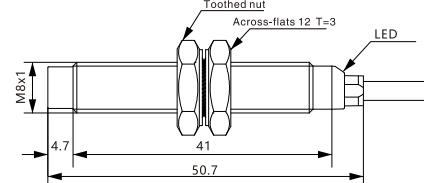


M8

TLF08-02□□

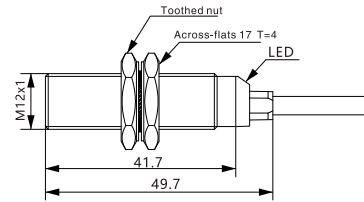


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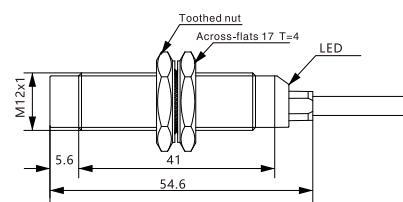


M12

TLF12-04□□

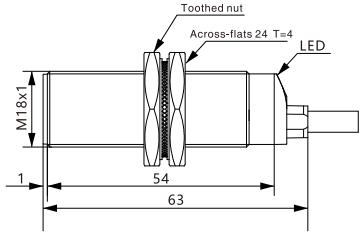


TLN12-08□□

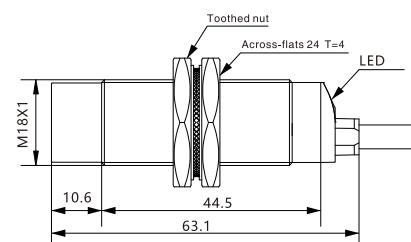


M18

TLF18-08□□

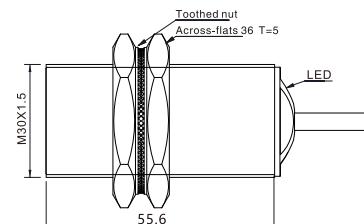


TLN18-16□□

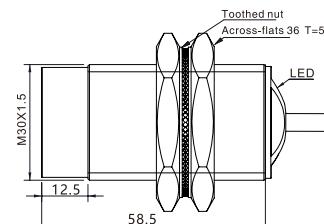


M30

TLF30-16□□



TLN30-25□□



Fiber Optic
Slot Sensors
Photoelectric
Laser
Proximity
Displacement
Magnetic
Contact
Area
Ultrasonic
Vibration
Temperature
Cables
Tester

Guidance

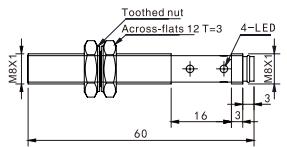
Inductive sensors
Standard distance
Extended distance
Long distance
Square
Mini square
Mini-cylindrical
Short-body
Ring-type
Metal face
Temperature
Analog output
DC 2 wires
IP69K high protection

Capacitive sensors
Cylindrical
Correction resistance type
Flat type
Level detection

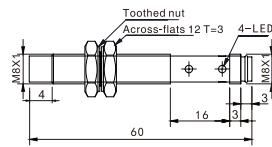
Dimensions- Connector Type (Unit:mm)

M8

TLF08-02□□-E1



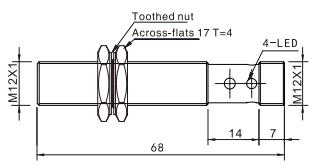
TLN08-04□□-E1



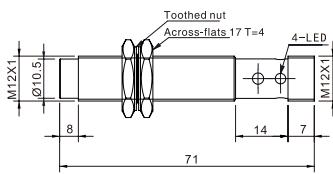
M8 3 Pin

M12

TLF12-04□□-E2



TLN12-08□□-E2

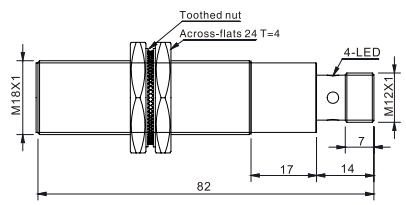


M12 4 Pin

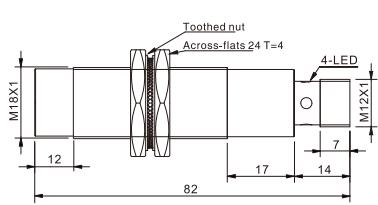
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M18

TLF18-08□□-E2



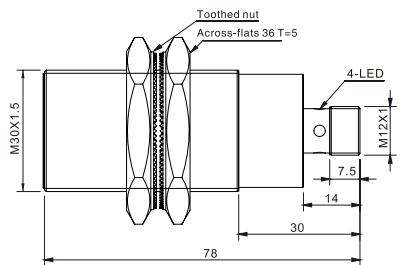
TLN18-16□□-E2



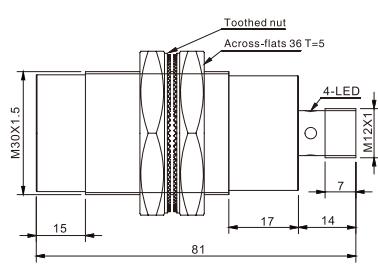
M12 4 Pin

M30

TLF30-16□□-E2



TLN30-25□□-E2



M12 4 Pin

- Inductive sensors
- Standard distance
- Extended distance**
- Long distance
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