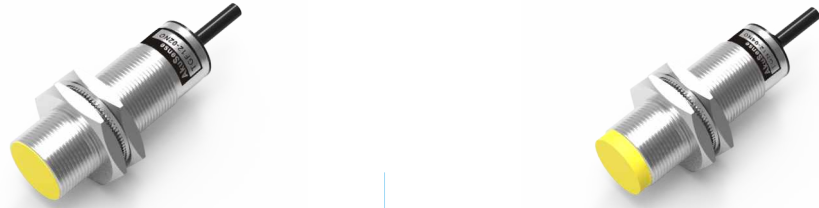


Temperature Resistance

High Temperature (120°C) Resistance Pre-wired Type



Appearance	Shielded			Unshielded			
Mounting	Shielded			Unshielded			
Size	M12	M18	M30	M12	M18	M30	
Sensing distance	2mm ± 10%	5mm ± 10%	10mm ± 10%	4mm ± 10%	8mm ± 10%	15mm ± 10%	
Housing material	Nickel copper alloy						
Operating voltage	10~30V DC(Ripple < 10%)						
Voltage drop	< 2.5V						
Load Current, Max	100mA						
Current consumption	< 15mA						
Hysteresis	1~20%						
Repeat accuracy	< 5%						
Response frequency	1500Hz	1000Hz	500Hz	1000Hz	800Hz	300Hz	
Indicator	Yellow LED						
Ambient temperature	-25°C~+120°C						
Ambient humidity	35~95% RH						
Circuit protection	Reverse polarity; Surge protection						
Degree of protection	IP67						
Model No.	NPN Normally open	TGF12-02NCO	TGF18-05NCO	TGF30-10NCO	TGN12-04NCO	TGN18-08NCO (HOT)	TGN30-15NCO
	Others	NCO:NPN Normally open		NCC:NPN Normally closed	PCO:PNP Normally open		PCC:PNP Normally closed

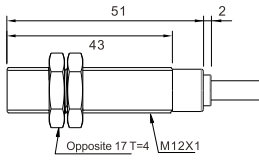
High Temperature (220°C) Resistance Pre-wired Type



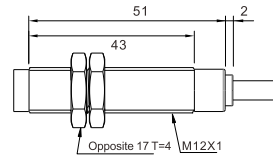
Appearance	Shielded			
Mounting	Shielded			
Housing size	M12	M18	M30	
Sensing distance	2mm ± 10%	5mm ± 10%	10mm ± 10%	
Housing material	Nickel copper alloy			
Operating voltage	10~30V DC			
Voltage drop	< 1.8V			
Load current	External			
Current consumption	< 25mA(24V)			
Switch frequency	500Hz/220°C	500Hz/230°C	200Hz/230°C	
Repeat accuracy	< 3.0% (Sr)			
Hysteresis	3~15% (Sr)			
Sensing surface material	PEEK			
Ambient temperature	-25~+230°C			
Degree of protection	IP66			
Interface	PTFE Cable/2m; 3*0.34mm²			
Model No.	NPN Normally open	TGF12-02NO2	TGF18-05NO2	TGF30-10NO2
	PNP Normally open	TGF12-02PO2	TGF18-05PO2	TGF30-10PO2

M12

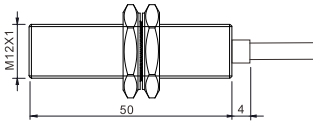
TGF12-02□□



TGN12-04□□

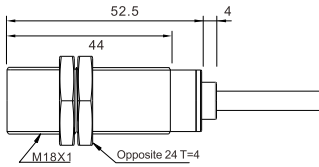


TGF12-02□□2

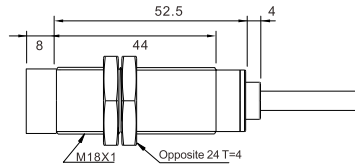


M18

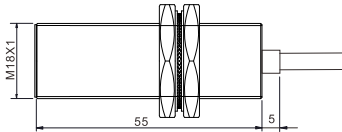
TGF18-05□□



TGN18-08□□

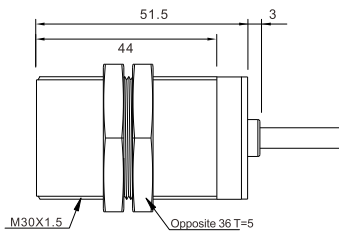


TGF18-05□□2

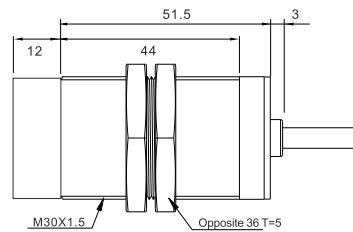


M30

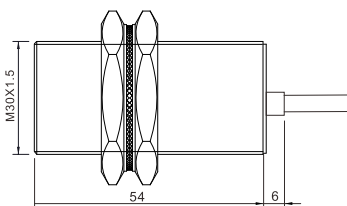
TGF30-10□□



TGN30-15□□



TGF30-10□□2



- 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