

# Mini-cylindrical

## Pre-wired



Appearance		
Mounting	Shielded	
Housing size	φ 3	φ 4
Sensing distance	0.6mm/0.8mm/1.0mm ± 10%	0.8mm/1.0mm/1.2mm/1.5mm ± 10%
Housing material	Stainless steel	
Operating voltage	10~30V DC(Ripple < 10%)	
Voltage drop	< 1.5V	
Load Current, Max	100mA	150mA
Current consumption	< 10mA	
Leakage current	< 0.01mA	
Switch frequency	2KHz	
Repeat accuracy	< 1.0% (Sr)	
Hysteresis	< 15% (Sr)	
Sensing surface material	PA66	
Operating Temperature	-25°C~+75°C	
Degree of protection	IP67	
Model No.	NPN Normally open	TXF03-0.6[NIO] / TXF03-0.8[NIO] / TXF03-01[NIO]   TXF04-0.8[NIO] / TXF04-01[NIO] / TXF04-1.2[NIO] / TXF04-1.5[NIO]
	Others	[NIO]:NPN Normally open   [NIC]:NPN Normally closed   [PIO]:PNP Normally open   [PIC]:PNP Normally closed



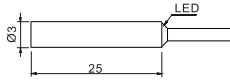
Appearance		
Mounting	Shielded	
Housing size	M4	M5
Sensing distance	0.6mm/0.8mm/1.0mm ± 10%	0.8mm/1.0mm/1.2mm/1.5mm ± 10%
Housing material	Stainless steel	
Operating voltage	10~30V DC(Ripple < 10%)	
Voltage drop	< 1.5V	
Load Current, Max	100mA	
Current consumption	< 10mA	
Leakage current	< 0.01mA	
Switch frequency	2KHz	
Repeat accuracy	< 5.0% (Sr)	
Hysteresis	< 15% (Sr)	
Sensing surface material	PA66	
Operating Temperature	-25°C~+75°C	
Degree of protection	IP67	
Model No.	NPN Normally open	TXFM4-0.6[NIO] / TXFM4-0.8[NIO] / TXFM4-01[NIO]   TXF05-0.8[NIO] / TXF05-01[NIO] / XF05-1.2[NIO] / TXF05-1.5[NIO]
	Others	[NIO]:NPN Normally open   [NIC]:NPN Normally closed   [PIO]:PNP Normally open   [PIC]:PNP Normally closed

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## Dimensions (Unit:mm)

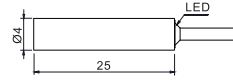
φ 3

TXF03-0.6/0.8/0/1□□



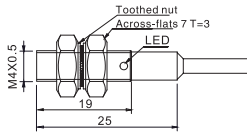
φ 4

TXF04-0.8/0/1.2/1.5□□



M4

TXFM4-0.6/0.8/0/1□□



M5

TXF05-0.8/0/1.2/1.5□□

