

Short-body

Ultra Short Housing



Appearance		
Mounting		Shielded
Housing size	φ 6.5	φ 6.5Y
Sensing distance	1mm/2mm ± 10%	
Housing material	Stainless steel	
Operating voltage	10~30V DC(Ripple < 10%)	
Voltage drop	< 1.5V	
Load Current , Max	150mA	
Current consumption	< 10mA	
Leakage current	< 0.01mA	
Switch frequency	2KHz	
Repeat accuracy	< 1.0% (Sr)	
Hysteresis	< 15% (Sr)	
Sensing surface material	PBT	
Operating Temperature	-25°C~+75°C	
Protective circuit	Short circuit	
Degree of protection	IP67	
Model No.	TSSF6.5-01 / TSSF6.5-02	TSSF6.5Y-01 / TSSF6.5-02
NPN Normally open	: NPN Normally open : NPN Normally closed	
Others	: PNP Normally open : PNP Normally closed	



Appearance		
Mounting		Shielded
Housing size	M8	M12
Sensing distance	1mm/2mm ± 10%	2mm/4mm ± 10%
Housing material	Stainless steel	
Operating voltage	10~30V DC(Ripple < 10%)	
Voltage drop	< 1.5V	
Load Current , Max	150mA	
Current consumption	< 10mA	
Leakage current	< 0.01mA	
Switch frequency	2KHz	
Repeat accuracy	< 1.0% (Sr)	
Hysteresis	< 15% (Sr)	
Sensing surface material	PBT	
Operating Temperature	-25°C~+75°C	
Protective circuit	Short circuit, except TSSF08-02	
Degree of protection	IP67	
Model No.	TSSF08-01 / TSSF08-02	TSSF12-02 / TSSF12-04
NPN Normally open	: NPN Normally open : NPN Normally closed	
Others	: PNP Normally open : PNP Normally closed	

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General Shot Housing



Appearance					
Mounting	Shielded				
Housing size	M8	M12	M18	M30	
Sensing distance	1mm/2mm ± 10%	2mm/4mm ± 10%	5mm/8mm ± 10%	10mm/16mm ± 10%	
Housing material	Stainless steel				
Operating voltage	10~30V DC(Ripple < 10%)				
Voltage drop	< 1.5V				
Load Current, Max	150mA				
Current consumption	< 10mA				
Leakage current	< 0.01mA				
Switch frequency	2KHz	2KHz/1Hz	1KHz/500Hz	300Hz/150Hz	
Repeat accuracy	< 1.0% (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	TSF08-01NO / TSF08-02NO	TSF12-02NO / TSF12-04NO	TSF18-05NO / TSF18-08NO	TSF30-10NO / TSF30-16NO
Others	NO: NPN Normally open NC: NPN Normally closed PO: PNP Normally open PC: PNP Normally closed				



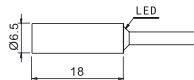
Appearance					
Mounting	Unshielded				
Housing size	M8	M12	M18	M30	
Sensing distance	2mm/4mm ± 10%	4mm/8mm ± 10%	8mm/16mm ± 10%	15mm/25mm ± 10%	
Housing material	Stainless steel				
Operating voltage	10~30V DC(Ripple < 10%)				
Voltage drop	< 1.5V				
Load Current, Max	150mA				
Current consumption	< 10mA	< 20mA			
Leakage current	< 0.01mA				
Switch frequency	2KHz/1KHz	1KHz/500Hz	500Hz/150Hz	150Hz/100Hz	
Repeat accuracy	< 1.0% (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	TSN08-02NO / TSN08-04NO	TSN12-04NO / TSN12-08NO	TSN18-08NO / TSN18-16NO	TSN30-15NO / TSN30-25NO
Others	NO: NPN Normally open NC: NPN Normally closed PO: PNP Normally open PC: PNP Normally closed				

Short-body

Extra Shot Outer Casing-Dimensions (Unit:mm)

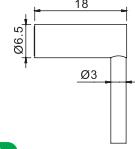
M6.5

TSSF6.5-01/02/03□□



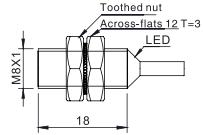
M6.5Y

TSSF6.5Y-01/02/03□□



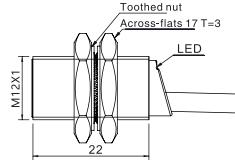
M8

TSSF08-01/02/03□□



M12

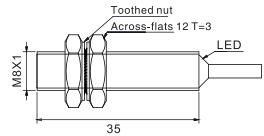
TSSF12-02/04/06□□



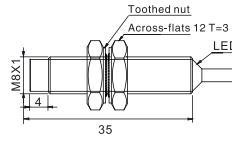
General-Dimensions (Unit:mm)

M8

TSF08-01/02□□

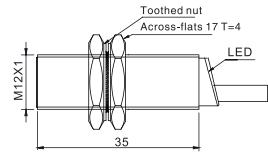


TSN08-02/04□□

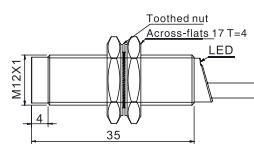


M12

TSF12-02/04□□

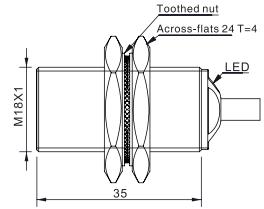


TSN12-04/08□□

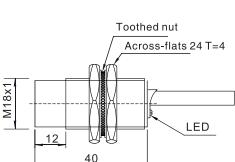


M18

TSF18-05/08□□

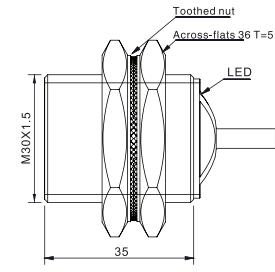


TSN18-08/16□□



M30

TSF30-10/16□□



TSN30-15/25□□

