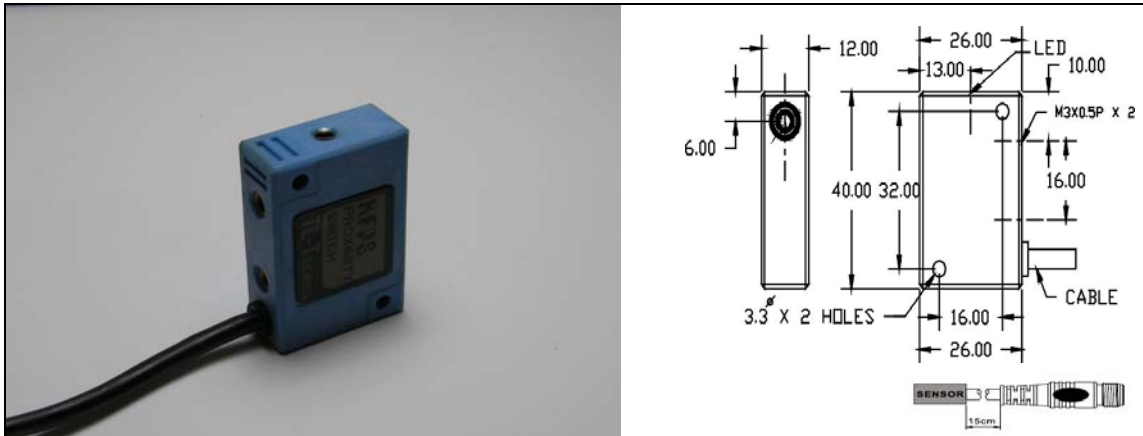


**TL-T Series**

- 👍 **No-touch operation · high response frequency · wide application range.**
- 👍 **Reverse polarity and Swapped signal wires protection.**
- 👍 **High-intensity LED for sending indication.**
- 👍 **Good environmental resistance · all products are CE approved**
- 👍 **High degree of protection up to IP67**



Switching Output	Model Number	Sensing Distance	Response Frequency	Operating voltage	Connecting Method		
DC 3-Wire NPN NO	TL-T2NE1	2mm	1000Hz	DC 10~30V	Pre-wired		
	TL-T4NE1	4mm	600Hz		2M Cable		
	TL-T2NE1-U	2mm	1000Hz		Cable with		
	TL-T4NE1-U	4mm	600Hz		M12 plug		
DC 3-Wire NPN NC	TL-T2NE2	2mm	1000Hz		Pre-wired		
	TL-T4NE2	4mm	600Hz		2M Cable		
DC 3-Wire PNP NO	TL-T2PE1	2mm	1000Hz		DC 10~30V	Pre-wired	
	TL-T4PE1	4mm	600Hz				2M Cable
	TL-T2PE1-U	2mm	1000Hz			Cable with	
	TL-T4PE1-U	4mm	600Hz			M12 plug	
DC 3-Wire PNP NC	TL-T2PE2	2mm	1000Hz			Pre-wired	2M Cable
	TL-T4PE2	4mm	600Hz				
DC 2-Wire NPN/PNP NO	XPD-T2DE1	2mm	1000Hz	DC 10~30V		Pre-wired	
	XPD-T4DE1	4mm	600Hz				2M Cable
	XPD-T2DE1-U	2mm	1000Hz		Cable with		
	XPD-T4DE1-U	4mm	600Hz		M12 plug		
AC 2-Wire SCR NO	XPD-T2AE1	2mm	25Hz		AC 24~250V	Pre-wired	
	XPD-T4AE1	4mm					
AC 2-Wire SCR NC	XPD-T2AE2	2mm					
	XPD-T4AE2	4mm					

Item	Specifications
Standard sensing object	Iron, 12×12×1 mm
Load current	DC 3-Wire Type : 0 ~ 200mA DC 2-Wire Type : 3 ~ 100mA AC 2-Wire Type : 5 ~ 300mA
Operation indicator	Red LED
Circuits protection	Reversed polarity & Short circuit protection
Enclosure protection	IEC IP67
Ambient temperature & humidity range	Operating : -25 ~ 70°C / RH 35 ~95% (with no icing or condensation)
Insulation resistance	50MΩ minimum. (at 500VDC) between current carry parts and case
Voltage with stand ability	1000VAC 50/60Hz for 1 minute between current carry parts and case
Vibration resistance	10 ~ 55Hz : 15mm double amplitude for 2 hours each in X,Y and Z directions
Shock resistance	500m/s <sup>2</sup> (50G approx) 10 times each in X,Y and Z directions
Housing material	PBT