Plastic square shape photoelectric sensors **PTF** series



Features

- ◆Polarized reflection working principle;
- ◆Suitable for detecting transparent or high reflective target;
- ◆High detection accuracy

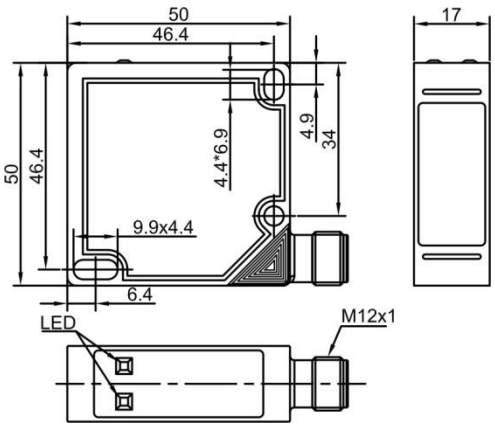
Part number

NPNNO+NC	PTF-PM5DNR-E2	PNPNO+NC	PTF-PM5DPR-E2

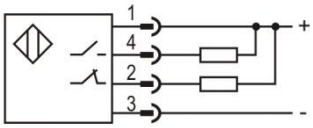
Technical specifications

Detection type	Polarized reflection	Consumption current	≤25mA
Rated distance [Sn]	5m (non-adjustable)	Circuit protection	Short-circuit, overload and reverse polarity
Standard target	TD-09 reflector	Response time	< 8.2ms
Light source	Red LED (650nm)	Output indicator	Yellow LED
Dimensions	50mm *50mm *17mm	Ambient temperature	-15℃…+55℃
Output	NPNNO+NCPNP NO+NC	Ambient humidity	35-85%RH (non-condensing)
Supply voltage	10…30 VDC	Voltage withstand	1000V/AC 50/60Hz 60s
Target	Transparent, semi-transparent,	Insulation resistance	≥50MΩ(500VDC)
	Opaque object	Vibration resistance	10…50Hz (0.5mm)
Repeat accuracy [R]	≤5%	Degree of protection	IP64
Load current	≤200mA	Housing material	PC/ABS
Residual voltage	≤2.5V	Connection type	M12 Connector

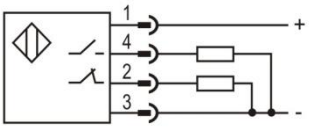
Dimensions



Wiring diagram



NPN NO+NC



PNP NO+NC

