Plastic square shape photoelectric sensors **PTL** series



Features

- ◆ Diffuse reflection working principle;
- ◆Excellent anti-interference performance
- ◆High detection accuracy

CE

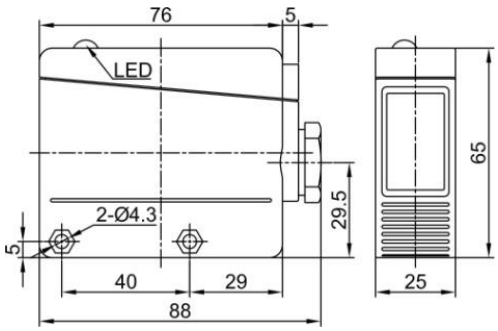
Part number

NPN NO+NC	PTL-BC80DNRT3-D	PTL-BC200DNRT3-D	
PNP NO+NC	PTL-BC80DPRT3-D	PTL-BC200DPRT3-D	

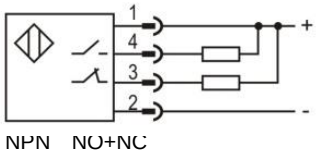
Technical specifications

Detection type	Diffuse reflection	Consumption current	≤25mA
Rated distance [Sn]	80cm(adjustable)200cm (adjustable)	Circuit protection	Short-circuit, overload and reverse polarity
Standard target	White card reflection rate 90%	Response time	< 8.2ms
Light source	Infrared LED (880nm)	Output indicator	Power: Green LED Output: Yellow LED
Dimensions	88 mm *65 mm *25mm	Ambient temperature	-15℃…+55℃
Output	Depends on part No.	Ambient humidity	35-85%RH (non-condensing)
Supply voltage	10…30 VDC	Voltage withstand	1000V/AC 50/60Hz 60s
Target	Opaque object	Insulation resistance	≥50MΩ(500VDC)
Hysteresis range [%/Sr]	5…20%	Vibration resistance	10…50Hz (0.5mm)
Repeat accuracy [R]	⩽5%	Degree of protection	IP67
Load current	⩽200mA	Housing material	PC/ABS
Residual voltage	⩽2.5V	Connection type	Terminal
Delay time	0.1…5s(P2 Potentiometer)		

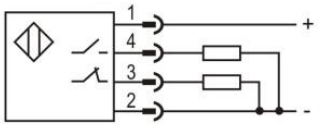
Dimensions



Wiring diagram



NPN NO+NC



PNP NO+NC