Metal cylindrical shape photoelectric sensors **PR12** series



Features

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

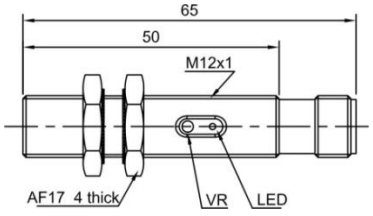
Part number

NPN	NO	PR12-BC15DNO-E2	PNP	NO	PR12-BC15DPO-E2
NPN	NC	PR12-BC15DNC-E2	PNP	NC	PR12-BC15DPC-E2

Technical specifications

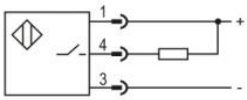
Detection type	Diffuse reflection	Consumption current	≤25mA
Rated distance [Sn]	15cm (adjustable)	Circuit protection	Short-circuit, overload and reverse polarity
Standard target	White card reflection rate 90%	Response time	< 8.2ms
Light source	Infrared LED (880nm)	Output indicator	Yellow LED
Dimensions	M12*65mm	Ambient temperature	-15℃…+55℃
Output	NO/NC (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]	3…20%	Vibration resistance	10…50Hz (0.5mm)
Repeat accuracy [R]	⩽5%	Degree of protection	IP67
Load current	⩽200mA	Housing material	Nickel-copper alloy
Residual voltage	⩽2.5V	Connection type	M12 Connector

Dimensions

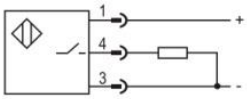


Adjustable

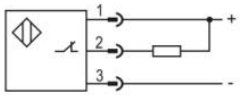
Wiring diagram



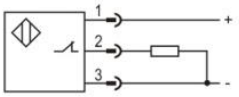
NPN NO



PNP NO



NPN NC



PNP NC

