

Metal cylindrical shape photoelectric sensors PR30 series



Features

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



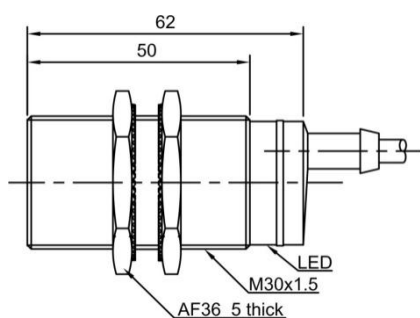
Part number

NPN NO	PR30-DM5DNO	PNP NO	PR30-DM5DPO
NPN NC	PR30-DM5DNC	PNP NC	PR30-DM5DPC
NPN NO+NC	PR30-DM5DNR	PNP NO+NC	PR30-DM5DPR

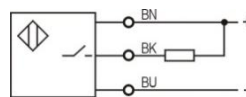
Technical specifications

Detection type	Retro 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	Infrared LED (880nm)	Output indicator	Yellow LED
Dimensions	M30*62mm	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]		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	2m PVC cable

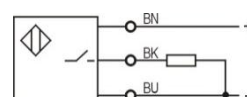
Dimensions



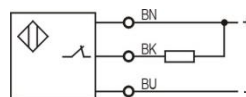
Wiring diagram



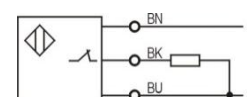
NPN NO



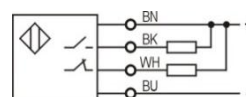
PNP NO



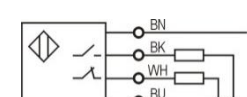
NPN NC



PNP NC



NPN NO+NC



PNP NO+NC