Plastic cylindrical shape photoelectric sensors **PR18GS** series



Features

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

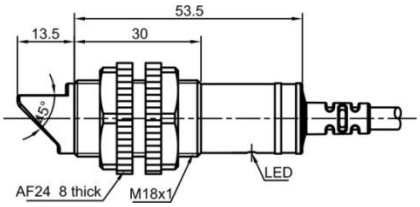
Part number

NPN	NO	PR18GS-DM3DNO	PNP	NO	PR18GS-DM3DPO
NPN	NC	PR18GS-DM3DNC	PNP	NC	PR18GS-DM3DPC
NPN	NO+NC	PR18GS-DM3DNR	PNP	NO+NC	PR18GS-DM3DPR

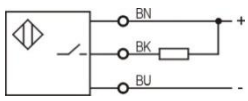
Technical specifications

Detection type	Retro reflection	Consumption current	≤25mA
Rated distance [Sn]	3m (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	M18*67mm	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	IP65
Load current	⩽200mA	Housing material	PBT
Residual voltage	⩽2.5V	Connection type	2m PVC cable

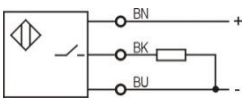
Dimensions



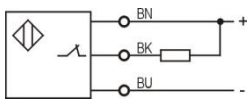
Wiring diagram



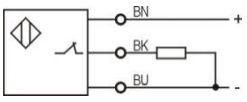
NPN NO



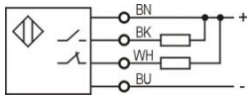
PNP NO



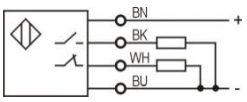
NPN NC



PNP NC



NPN NO+NC



PNP NO+NC