Plastic cylindrical shape photoelectric sensors **PR18GS** series



Features

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

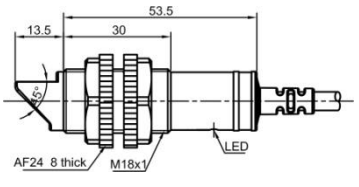
Part number

NPN NO	PR18GS-BC10DNO	PR18GS-BC40DNO	PNP NO	PR18GS-BC10DPO	PR18GS-BC40DPO
NPN NC	PR18GS-BC10DNC	PR18GS-BC40DNC	PNP NC	PR18GS-BC10DPC	PR18GS-BC40DPC
NPN NO+NC	PR18GS-BC10DNR	PR18GS-BC40DNR	PNPNO+NC	PR18GS-BC10DPR	PR18GS-BC40DPR

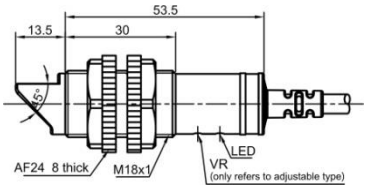
Technical specifications

Detection type	Diffuse reflection	Consumption current	≤25mA
Rated distance [Sn]	10cm (non-adjustable)40cm(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	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]	3…20%	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



Non-adjustable



Adjustable

Wiring diagram

