Metal cylindrical shape photoelectric sensors **PR18G** series



Features

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

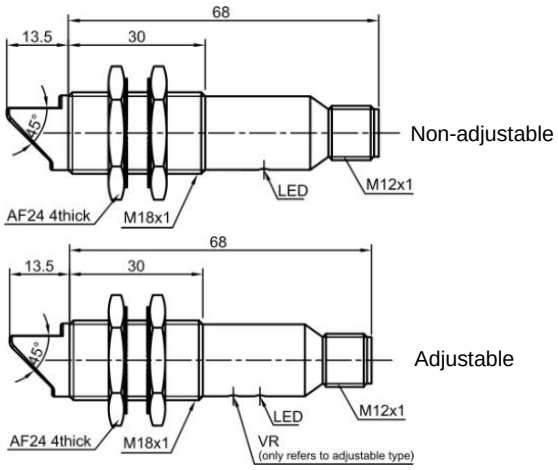
Part number

NPN	NO	PR18G-BC10DNO-E2	PR18G-BC40DNO-E2	PNP	NO	PR18G-BC10DPO-E2	PR18G-BC40DPO-E2
NPN	NC	PR18G-BC10DNC-E2	PR18G-BC40DNC-E2	PNP	NC	PR18G-BC10DPC-E2	PR18G-BC40DPC-E2
NPN	NO+NC	PR18G-BC10DNR-E2	PR18G-BC40DNR-E2	PNP	NO+NC	PR18G-BC10DPR-E2	PR18G-BC40DPR-E2

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*81.5mm	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	Nickel-copper alloy
Residual voltage	≤2.5V	Connection type	M12 Connector

Dimensions



Wiring diagram

