Metal cylindrical shape photoelectric sensors **PR18G** series



Features

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

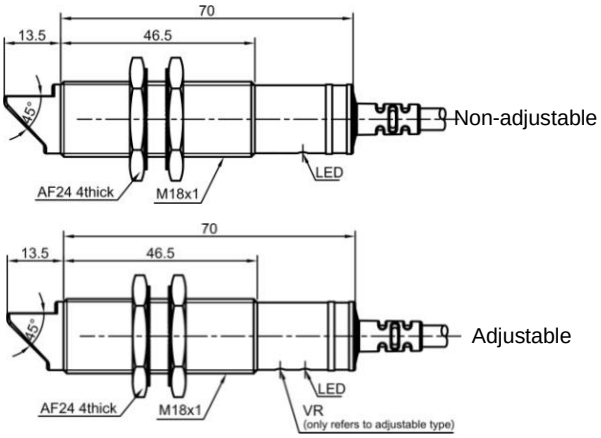
Part number

AC 2 wires NO	PR18G-BC10ATO	PR18G-BC40ATO	AC 2 wires NC	PR18G-BC10ATC	PR18G-BC40ATC

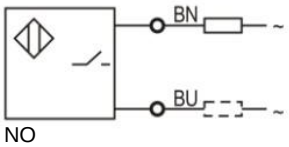
Technical specifications

Detection type	Diffuse reflection	Consumption current	≤3mA
Rated distance [Sn]	10cm (non-adjustable) 40cm (adjustable)	Circuit protection	……
Standard target	White card reflection rate 90%	Response time	< 50ms
Light source	Infrared LED (880nm)	Output indicator	Yellow LED
Dimensions	M18*83.5mm	Ambient temperature	-15℃…+55℃
Output	NO/NC (depends on part No.)	Ambient humidity	35-85%RH (non-condensing)
Supply voltage	20…250 VAC	Voltage withstand	2000V/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	≤300mA	Housing material	Nickel-copper alloy
Residual voltage	≤10V	Connection type	2m PVC cable

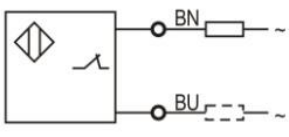
Dimensions



Wiring diagram



NO



NC