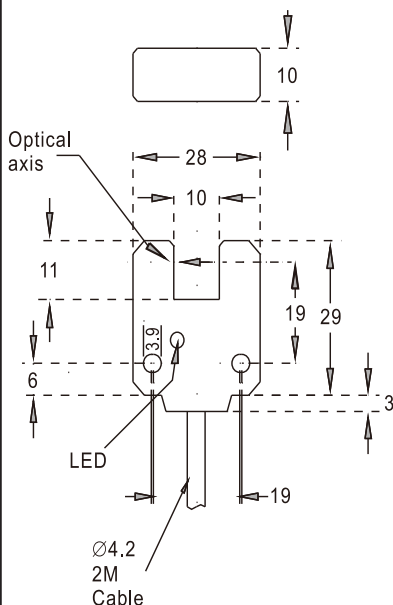


- High-speed response, 1 kHz
- Slot width 10mm, suitable for the detection of small objects.
- Infrared beam axis 1mm width.
- Not affected by outside light
- Selectable Dark on / Light on
- Selectable NPN / PNP

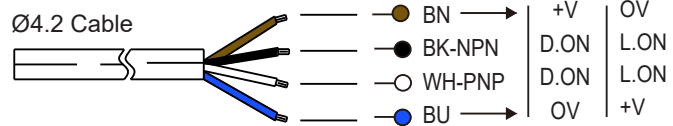


Model	BU-10K
Slot Width	10 mm
Min. detection object	Opaque (Ø0.5 x 10.0 mm)
Emitting light	Infrared LED 940nm
Operating Voltage	12 ~ 24 VDC
Current Consumption	18 mA Max.
Load current	100mA Max. at 24VDC
Output type	PNP(NO) Dark on / PNP(NC) Light on / NPN(NO) Dark on / NPN(NC) Light on
Response time	1 ms Max.
Ambient illumination	Incandescent light / 1,000 lux max.
Insulation resistance	20MΩ min. (DC500V)
Voltage with standabiligy	AC500V 60Hz for 60 Sec.
Operating temperature	-10°C ~ + 55°C
Ambient humidity	45% ~ 85% RH
Protection degree	IP64
Vibration resistance	1.5-mm peak-to-peak amplitude, 10 to 55 Hz, 2 hours each in X, Y, and Z directions
Shock resistance	50G, repeated 10 times each in X, Y, and Z directions
Material	PC
Wiring method	Pre-wired Ø4.2 x 2 M / 3-wires
Weight	Approx.55g

◆ Dimension Drawing



◆ Connection Diagram



PNP NO (Dark ON) Brown (+) White (out) Blue (-)
 PNP NC (Light ON) Brown (-) White (out) Blue (+)
 NPN NO (Dark ON) Brown (+) Black (out) Blue (-)
 NPN NC (Light ON) Brown (-) Black (out) Blue (+)

◆ Applications

