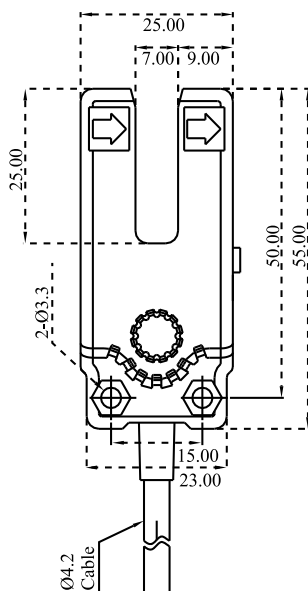


- 12 Turn sensitivity adjuster to detect different colours.
- Suitable for address reading and cut mark sensing.
- High repeat accuracay
- Narrow light beam
- Output PNP / NPN / NO / NC

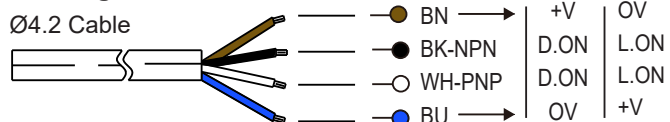


Model	BU-07KQ
Slot Width	07 mm
Min. detection object	Opaque (Ø0.5 x 10.0 mm)
Emitting light	Infrared LED 660nm
Operating Voltage	12 ~ 24 VDC
Current Consumption	18 mA Max.
Load current	100mA Max. at 24VDC
Output type	PNP(NO) Dark on / PNP(NC) Light on / NPN(NO) Dark on / NPN(NC) Light on
Response time	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	35% ~ 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.65g

### ◆ 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

**Adjuster**

The optimum sensitivity can be set easily according to different colours.

**Different colour**

**Sealing machine**

**Detecting printing TAB marks**

Detecting on TAB machine to ensure each box with a TAB

**Overlap sensing of paper**

Detecting paper feed on different printing machines