



PZ2-51

Square Transmissive Cable Type, NPN

Specifications

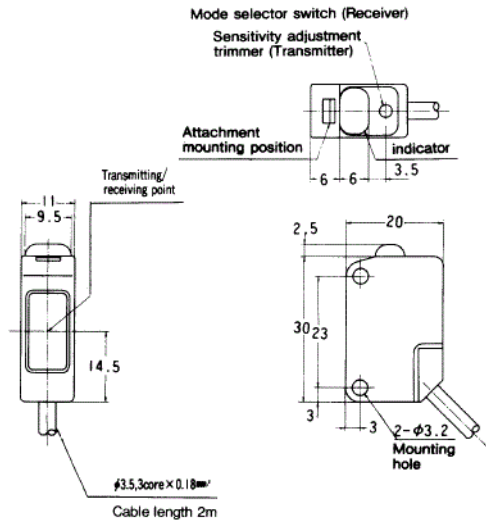
Model	PZ2-51	
Type	Thrubeam	
Detection distance	7 m	
Light source	Red LED	
Detectable object	30 mm ² dia. min. opaque materials	
Hysteresis(of detecting distance)	-	
Sensitivity adjustment	1-turn trimmer (240°)	
Response time	1.5 ms max.	
Operation mode	LIGHT-ON/DARK-ON (switch-selectable)	
Indicator lamp	Output and power*1: Red LED, Stable operation: Green LED	
Control output	NPN or PNP: 100 mA (40 V) max., Residual voltage: 1 V max.	
Protection circuit	Reversed polarity, overcurrent protection, surge absorber	
Rating	Power voltage	12 to 24 VDC ±10 %, Ripple (P-P) 10 % or less
	Current consumption	Transmitter: 20 mA or less, Receiver: 25 mA or less
Environmental resistance	Enclosure rating	IP67
	Ambient light	Incandescent lamp: 5,000 lux max., Sunlight: 20,000 lux max.
	Ambient temperature	-20 to +55 °C (No freezing)
	Relative humidity	35 to 85 % RH (No condensation)
	Vibration resistance	10 to 55 Hz, Double amplitude 1.5 mm, 2 hours in each of the X, Y, and Z directions
	Shock resistance	1,000 m/s ² , 6 times in each of the X, Y, and Z directions
Case material	Glass-fibre reinforced plastic	
Accessories	Mounting bracket x 2, Mounting screws x 4, Plate nut x 2	
Weight	Approx. 50 g (including 2-m connector cable)	

*1 The power indicator is equipped with the PZ2-51 only.

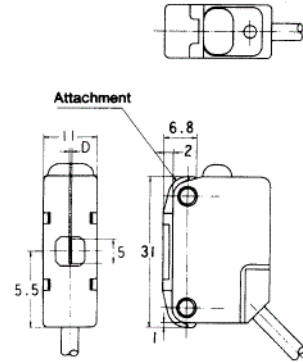
Dimensions

* Download CAD file or product manual for larger image/text and more detail.

Through-beam type PZ2-51

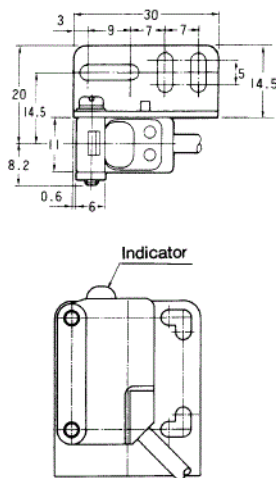


With attachment (Through-beam type) PZ2-51 + A-3

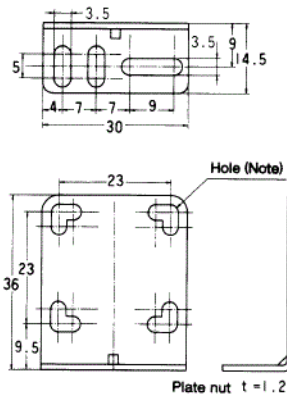


Slit width D
0.5
1.0
2.0

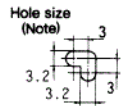
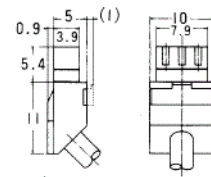
With mounting bracket



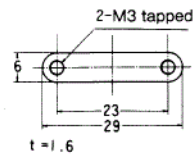
Mounting bracket (Standard accessory)



Connector



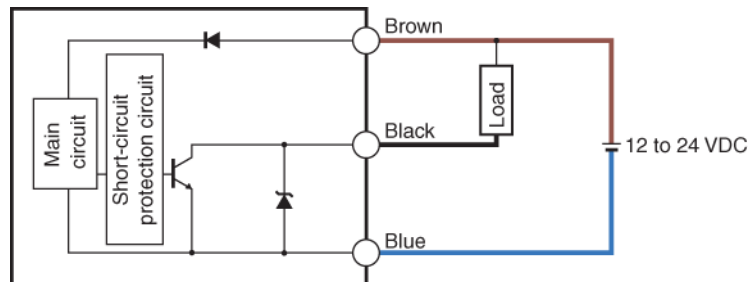
Standard accessory
Screws provided
M3 x 16...2pcs



I/O Circuit Connection diagram

* Download CAD file or product manual for larger image/text and more detail.

NPN(Receiver)



(Transmitter)

