PF50 Series Photoelectric Sensors

■ Features

- ➢ Non-sphere optical lens totally eliminate stray light and overcome the interference from such light sources as sunlight.
- ➢ Built-in LED light source makes installation easy.
- ➢ LIGHT ON/DARK ON selectable
- ➢ Able to detect working status by power LED indicator and output LED indicator
- ➢ Protection rating IP65(IEC)

Please read safety cautions before using

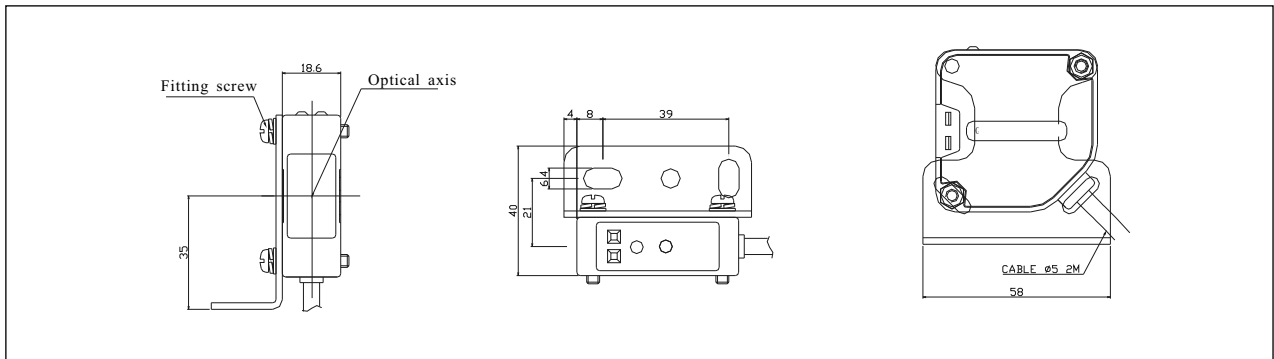| Configurations	Model
	PF50TF-10MRF

■ Specifications

Model	PF50TF-10MRF
Type	Through-beam
Sensing target	Opaque materials of Min. ∮30
Sensing distance	10m
Response time	Max. 20ms
Power	24-240V DC/AC±10%
Non-load current	Max. 3VA
Light source	Infrared LED(modulated)
Action mode	1. when VR on $_{Light on}$ ⊘ Status：Light on；2. when VR on ◌$_{Dark on}$ Status：Dark on
Control output	Relay output(contact rating:30VDC,3A resistant load;250VAC,3A resistant load; contact component:1C)
Protection circuit	Surge protection
Indicator	Power indicator：green；Action indicator：red
Cable	Outgoing cable
Insulation resistance	Min. 20MΩ (at 500VDC)
Noise strength	±1000V the square wave noise(pulse width：1μs)by the noise simulator
Pressure resistance	1000VAC 50/60Hz for 1 minute
Ambient brightness	Sunlight：Max. 11000 lx；Incandescent lamp：Max. 3000 lx
Ambient temperature	-20-+65℃(at non-freezing status)，Storage temp. -25-+70℃
Ambient humidity	35-85%RH　Storage：35-85%RH
Material	Case：ABS　Lens：PMMA
Protection rating	IP65(IEC)
Wiring	Ex：∮5, 2*0.3, Ṝx：∮5, 5*0.2, Length：2m
Accessory	Mounting bracket:IB02; Nut:M4；Boltst:M4*25

PF50 Series Photoelectric Sensors
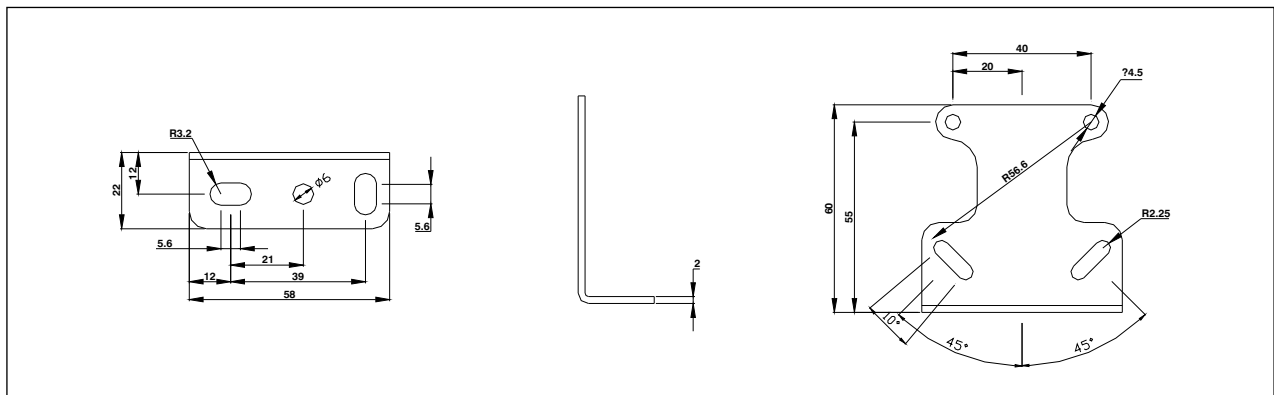
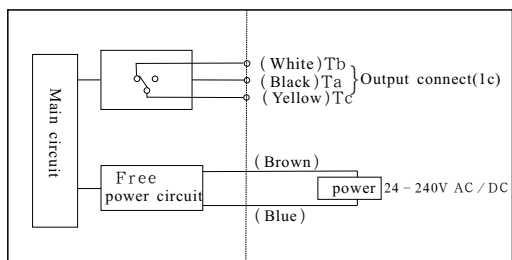■ Dimensions   mm

■ Bracket — IB02

■ Control output diagram

AC power，relay output