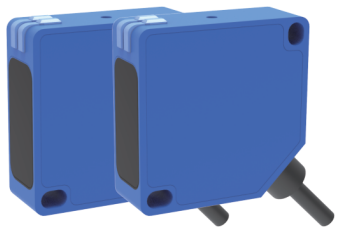
Q50 Rectangular Photoelectric Sensor

BFTP-R50-EU55I2000-EU55I4000-RU45I2000-RU45I4000-PC2 series · Sensing Distance: 20m / 40m · Operating Voltage: 24...240V AC/DC

IP66
Ingress Protection



KEY SPECIFICATIONS

SENSING DISTANCE **20m / 40m**	OPERATING VOLTAGE **24...240V AC/DC**
SWITCHING FREQ. **10Hz**	AMBIENT TEMP. **-25...55°C**
HOUSING **50*50*18mm**	RESPONSE TIME **≤100ms**

FEATURES

- Long detection distance
- Wide detection range
- Infrared light with high light immunity capability

MODEL CODES

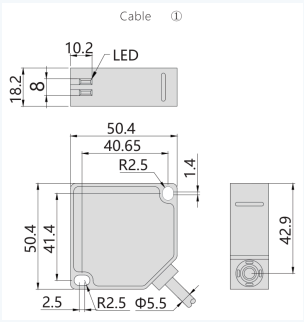
Output Type	20m	40m
Emitter	**BFTP-R50-EU55I2000-PC2** SKU 10105128	**BFTP-R50-EU55I4000-PC2** SKU 10105130
Receiver	**BFTP-R50-RU45I2000-PC2** SKU 10105129	**BFTP-R50-RU45I4000-PC2** SKU 10105131

TECHNICAL DATA

Size	50*50*18mm
Sensing distance	20m 40m
Detection type	Through-beam
Switching frequency	10Hz
Operating voltage	24...240V AC/DC
Light source	Infrared light 880nm
Response time	≤100ms
Load current	3A/30VDC; 1A/220VAC
Power-on delay	<300ms
Sensitivity adjustment	None

Light immunity	<10000Lux
Ambient temperature	-25...55°C
Ambient humidity	35...85%
Housing material	PBT
Ingress protection	IP66
Lens material	PMMA
Operation indicator	Output: Yellow/Power: Red
Connection	2m PVC Cable, 2*0.5mm²/5*0.25mm²
Accessories	None

DIMENSIONAL DRAWINGS



All dimensions in mm.