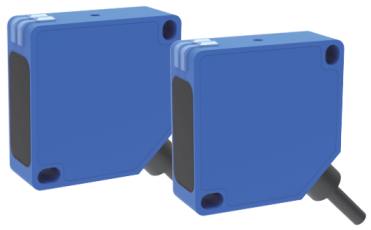
Q50 Rectangular Photoelectric Sensor

BFTP-R50-I2000-I4000-PC2 series · Sensing Distance: 20m / 40m · Operating Voltage: 10...30V DC

IP66
Ingress Protection



KEY SPECIFICATIONS

SENSING DISTANCE **20m / 40m**	OPERATING VOLTAGE **10...30V DC**
SWITCHING FREQ. **200Hz**	AMBIENT TEMP. **-25...55°C**
HOUSING **50*50*18mm**	RESPONSE TIME **≤5ms**

FEATURES

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

MODEL CODES

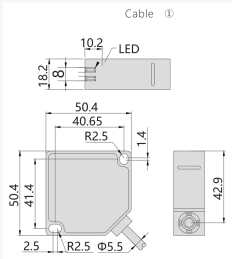
Output Type	20m	40m
Emitter	**BFTP-R50-E1I2000-PC2** SKU 10104942	**BFTP-R50-E1I4000-PC2** SKU 10104945
NPN N.O+N.C	**BFTP-R50-N31I2000-PC2** SKU 10104943	**BFTP-R50-N31I4000-PC2** SKU 10104946
PNP N.O+N.C	**BFTP-R50-P31I2000-PC2** SKU 10104944	**BFTP-R50-P31I4000-PC2** SKU 10104947

TECHNICAL DATA

Size	50*50*18mm
Sensing distance	20m 40m
Detection type	Through-beam
Switching frequency	200Hz
Operating voltage	10...30V DC
Light source	Infrared light 880nm
Response time	≤5ms
Load current	≤200mA
Power-on delay	<100ms
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, 4*0.25mm²
Accessories	None

DIMENSIONAL DRAWINGS



All dimensions in mm.