Q31 Rectangular Photoelectric Sensor

BFTP-R31-I500-I1500-PC2-N series · Sensing Distance: 5m / 15m · Operating Voltage: 10...30V DC

IP65
Ingress Protection



KEY SPECIFICATIONS

SENSING DISTANCE **5m / 15m**	OPERATING VOLTAGE **10...30V DC**
SWITCHING FREQ. **500Hz**	AMBIENT TEMP. **-25...55°C**
RESPONSE TIME **<2ms**	INGRESS PROTECTION **IP65**

FEATURES

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

MODEL CODES

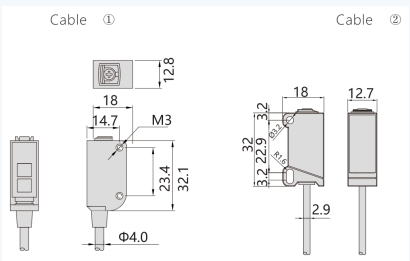
Output Type	①	②	③	④
Emitter	BFTP-R31-E1I500-PC2 SKU 10104898	BFTP-R31-E1I1500-PC2 SKU 10104901	BFTP-R31-E1I500-PC2-N SKU 10104904	BFTP-R31-E1I1500-PC2-N SKU 10104907
NPN N.O+N.C	BFTP-R31-N31I500-PC2 SKU 10104899	BFTP-R31-N31I1500-PC2 SKU 10104902	BFTP-R31-N31I500-PC2-N SKU 10104905	BFTP-R31-N31I1500-PC2-N SKU 10104908
PNP N.O+N.C	BFTP-R31-P31I500-PC2 SKU 10104900	BFTP-R31-P31I1500-PC2 SKU 10104903	BFTP-R31-P31I500-PC2-N SKU 10104906	BFTP-R31-P31I1500-PC2-N SKU 10104909

TECHNICAL DATA

Size	①: 32.1*18*12.8mm ②: 32.1*18*12.8mm ③: 32.1*18*12.7mm ④: 32.1*18*12.7mm
Sensing distance	①: 5m ②: 15m ③: 5m ④: 15m
Detection type	Through-beam
Switching frequency	500Hz
Operating voltage	10...30V DC
Light source	Infrared light 880nm
Response time	<2ms
Load current	100mA

Power-on delay	<300ms
Sensitivity adjustment	Single-turn potentiometer
Light immunity	<5000Lux
Ambient temperature	-25...55°C
Ambient humidity	35...85%
Housing material	ABS
Ingress protection	IP65
Lens material	PMMA
Operation indicator	Output: Red/Power: Yellow
Connection	2m PVC Cable, 2*0.5mm², 4*0.25mm²
Accessories	None

DIMENSIONAL DRAWINGS



All dimensions in mm.