Q31 Rectangular Photoelectric Sensor

BFRP-R31-I200-I400-PC2-N series · Sensing Distance: 2m / 4m · Operating Voltage: 10...30V DC

IP65
Ingress Protection



KEY SPECIFICATIONS

SENSING DISTANCE 2m / 4m	OPERATING VOLTAGE 10...30V DC
SWITCHING FREQ. 500Hz	AMBIENT TEMP. -25...55°C
HOUSING 32.1*18*12.8mm	RESPONSE TIME <2ms

FEATURES

- Quick response time
- Infrared light source
- Strong light immunity capability

MODEL CODES

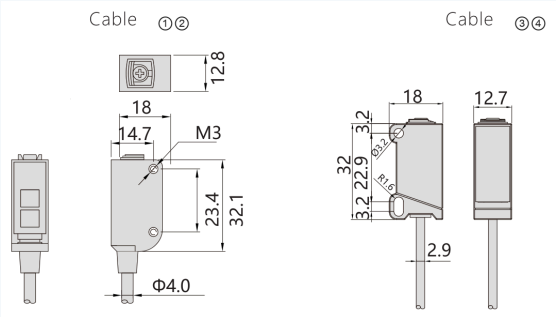
Output Type	①	②	③	④
NPN N.O+N.C	BFRP-R31-N31I200-PC2 SKU 10104886	BFRP-R31-N31I400-PC2 SKU 10104888	BFRP-R31-N31I200-PC2-N SKU 10104890	BFRP-R31-N31I400-PC2-N SKU 10104892
PNP N.O+N.C	BFRP-R31-P31I200-PC2 SKU 10104887	BFRP-R31-P31I400-PC2 SKU 10104889	BFRP-R31-P31I200-PC2-N SKU 10104891	BFRP-R31-P31I400-PC2-N SKU 10105218

TECHNICAL DATA

Size	32.1*18*12.8mm
Sensing distance	①: 2m ②: 4m ③: 2m ④: 4m
Detection type	Retro-reflection
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, 4*0.25mm²
Accessories	FPHL-08

DIMENSIONAL DRAWINGS



All dimensions in mm.