Q31 Rectangular Photoelectric Sensor

BFDP-R31-I11-I35-I80-PC2-N series · Sensing Distance: 110mm / 350mm / 800mm · Operating Voltage: 10...30V DC

IP65
Ingress Protection



①②③ ④⑤⑥

KEY SPECIFICATIONS

SENSING DISTANCE 110mm / 350mm / 800mm	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

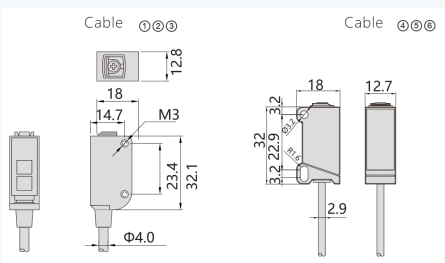
Output Type	①	②	③	④	⑤	⑥
NPN N.O+N.C	BFDP-R31-N31I11-PC2 SKU 10104874	BFDP-R31-N31I35-PC2 SKU 10104876	BFDP-R31-N31I80-PC2 SKU 10104878	BFDP-R31-N31I11-PC2-N SKU 10104880	BFDP-R31-N31I35-PC2-N SKU 10104882	BFDP-R31-N31I80-PC2-N SKU 10104884
PNP N.O+N.C	BFDP-R31-P31I11-PC2 SKU 10104875	BFDP-R31-P31I35-PC2 SKU 10104877	BFDP-R31-P31I80-PC2 SKU 10104879	BFDP-R31-P31I11-PC2-N SKU 10104881	BFDP-R31-P31I35-PC2-N SKU 10104883	BFDP-R31-P31I80-PC2-N SKU 10104885

TECHNICAL DATA

Size	32.1*18*12.8mm
Sensing distance	①: 110mm ②: 350mm ③: 800mm ④: 110mm ⑤: 350mm ⑥: 800mm
Detection type	Diffuse 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	None

DIMENSIONAL DRAWINGS



All dimensions in mm.