Q31 Rectangular Photoelectric Sensor

BFDP-R31-R20-PC2-D-N series · Sensing Distance: 200mm · Operating Voltage: 10...30V DC

IP65
Ingress Protection



① ②

KEY SPECIFICATIONS

SENSING DISTANCE **200mm**	OPERATING VOLTAGE **10...30V DC**
SWITCHING FREQ. **500Hz**	AMBIENT TEMP. **-25...55°C**
RESPONSE TIME **≤2ms**	INGRESS PROTECTION **IP65**

FEATURES

- Super large spot
- Capable of detecting carved objects and transparent objects

MODEL CODES

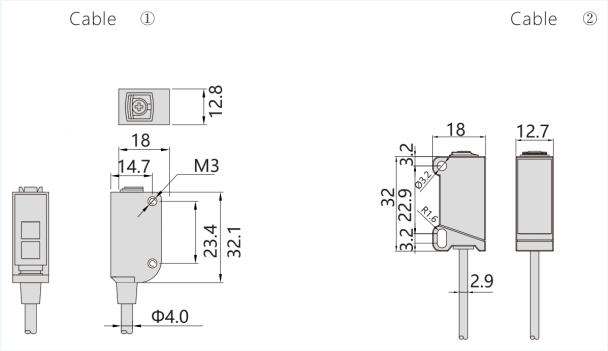
Output Type	32.1*18*12.8mm ①	32*18*12.7mm ②
NPN N.O+N.C	**BFDP-R31-N31R20-PC2-D** SKU 10104894	**BFDP-R31-N31R20-PC2-D-N** SKU 10104896
PNP N.O+N.C	**BFDP-R31-P31R20-PC2-D** SKU 10104895	**BFDP-R31-P31R20-PC2-D-N** SKU 10104897

TECHNICAL DATA

Size	32.1*18*12.8mm 32*18*12.7mm
Sensing distance	200mm
Detection type	Diffuse reflection (Super large spot)
Switching frequency	500Hz
Operating voltage	10...30V DC
Light source	Red Light 650nm
Response time	≤2ms
Load current	100mA
Power-on delay	<300ms
Sensitivity adjustment	Single-turn potentiometer

Light spot diameter	About 200mm square spot (at 200mm)
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.