Q31 Rectangular Photoelectric Sensor

BFDP-R31-I100-PC2 series · Sensing Distance: 1m · Operating Voltage: 10...30V DC

IP65
Ingress Protection



KEY SPECIFICATIONS

SENSING DISTANCE **1m**	OPERATING VOLTAGE **10...30V DC**
SWITCHING FREQ. **500Hz**	AMBIENT TEMP. **-25...55°C**
HOUSING **31*20*11mm**	RESPONSE TIME **≤2ms**

MODEL CODES

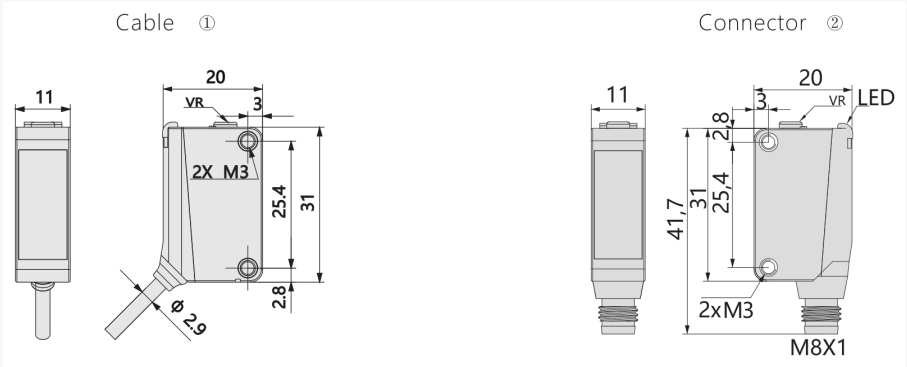
Output Type	Model Code
NPN N.O+N.C	**BFDP-R31-N31I100-PC2** SKU 10105326
PNP N.O+N.C	**BFDP-R31-P31I100-PC2** SKU 10105327

TECHNICAL DATA

Size	31*20*11mm
Sensing distance	1m
Detection type	Diffuse reflection
Switching frequency	500Hz
Operating voltage	10...30V DC
Light source	Infrared light 850nm
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	PC
Operation indicator	Output: Yellow/Power: Green
Connection	2m PVC Cable, 4*0.15mm²
Accessories	None

DIMENSIONAL DRAWINGS



All dimensions in mm.