Q31 Rectangular Photoelectric Sensor

BFDP-R31-R100-PC2-S84 series · Sensing Distance: 1m · Operating Voltage: 10...30V DC

IP65
Ingress Protection



① ②

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

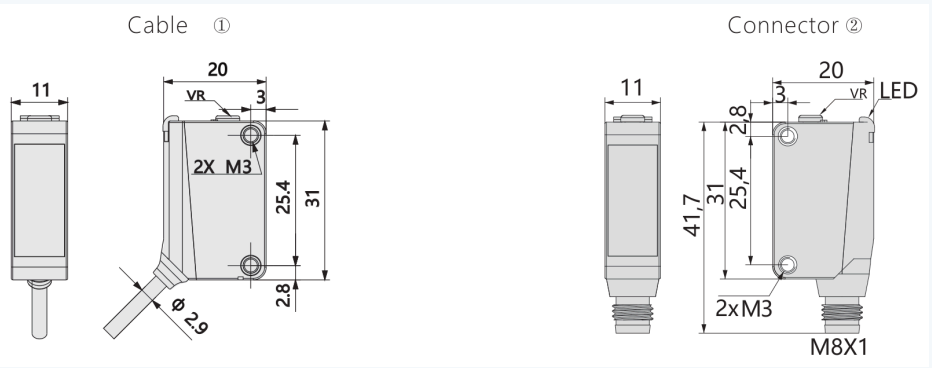
Output Type	①	②
NPN N.O+N.C	**BFDP-R31-N31R100-PC2** SKU 10105248	**BFDP-R31-N31R100-S84** SKU 10105250
PNP N.O+N.C	**BFDP-R31-P31R100-PC2** SKU 10105249	**BFDP-R31-P31R100-S84** SKU 10105251

TECHNICAL DATA

Size	31*20*11mm
Sensing distance	1m
Detection type	Diffuse reflection
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 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	①: 2m PVC Cable, 4*0.15mm² ②: M8 Connector
Accessories	①: None ②: M8 4 pin cable with connector

DIMENSIONAL DRAWINGS



All dimensions in mm.