Q31 Rectangular Photoelectric Sensor

BFBP-R31-R25-PC2-S84 series · Sensing Distance: 10...250mm · Operating Voltage: 10...30V DC

IP65
Ingress Protection



① ②

KEY SPECIFICATIONS

SENSING DISTANCE 10...250mm	OPERATING VOLTAGE 10...30V DC
SWITCHING FREQ. 1000Hz	AMBIENT TEMP. -25...55°C
HOUSING 31*20*11mm	RESPONSE TIME ≤1ms

MODEL CODES

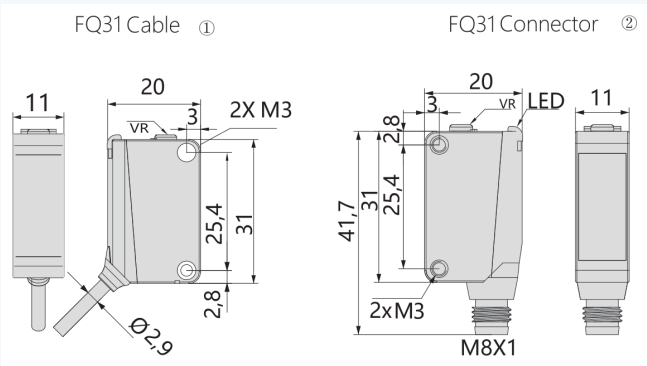
Output Type	①	②
NPN N.O+N.C	BFBP-R31-N31R25-PC2 SKU 10105275	BFBP-R31-N31R25-S84 SKU 10105277
PNP N.O+N.C	BFBP-R31-P31R25-PC2 SKU 10105276	BFBP-R31-P31R25-S84 SKU 10105278

TECHNICAL DATA

Size	31*20*11mm
Sensing distance	10...250mm
Detection type	Background suppression
Switching frequency	1000Hz
Operating voltage	10...30V DC
Light source	Red light 650nm
Response time	≤1ms
Load current	100mA
Power-on delay	<300ms
Sensitivity adjustment	Multi-turn potentiometer
Light immunity	<5000Lux

Blind distance	<10mm
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: M8Connector
Accessories	①: None ②: M8 4 pin cable with connector

DIMENSIONAL DRAWINGS



All dimensions in mm.