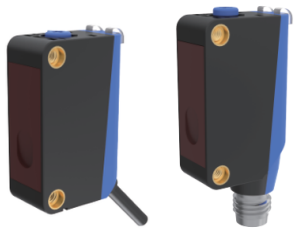
Q31 Rectangular Photoelectric Sensor

BFBP-R31-L25-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**

FEATURES

- No need to distinguish the target object color Quick response Reverse connection protection

MODEL CODES

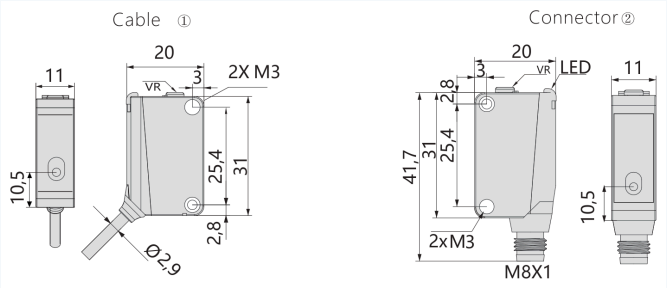
Output Type	①	②
NPN N.O+N.C	**BFBP-R31-N31L25-PC2** SKU 10105283	**BFBP-R31-N31L25-S84** SKU 10105285
PNP N.O+N.C	**BFBP-R31-P31L25-PC2** SKU 10105284	**BFBP-R31-P31L25-S84** SKU 10105286

TECHNICAL DATA

Size	31*20*11mm
Sensing distance	10...250mm
Detection type	Background suppression
Switching frequency	1000Hz
Operating voltage	10...30V DC
Light source	Laser 650nm
Response time	≤1ms
Blind distance	<10mm
Light spot size	Diameter about 1mm circle (at 300mm)
Load current	100mA
Power-on delay	<300ms
Sensitivity adjustment	Multi-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: M8Connector
Accessories	①: None ②: M8 4 pin cable with connector

DIMENSIONAL DRAWINGS



All dimensions in mm.