Q31 Rectangular Photoelectric Sensor

BFBP-R31-L25-R25-S84-LD series · Sensing Distance: 10...250mm · Operating Voltage: 10...30V DC

IP65
Ingress Protection



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		
NPN N.O+N.C	**BFBP-R31-N31R25-S84-LD** SKU 10105386	**BFBP-R31-N31L25-S84-LD** SKU 10105388
PNP N.O+N.C	**BFBP-R31-P31R25-S84-LD** SKU 10105387	**BFBP-R31-P31L25-S84-LD** SKU 10105389

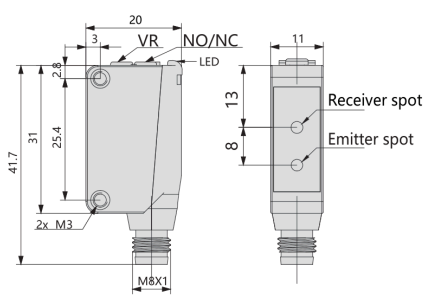
TECHNICAL DATA

Size	31*20*11mm
Sensing distance	10...250mm
Detection type	Background suppression
Switching frequency	1000Hz
Operating voltage	10...30V DC
Light source	①: Red light 650nm ②: Laser 650nm
Response time	≤1ms
Load current	100mA
Power-on delay	<300ms
Sensitivity adjustment	Multi-turn potentiometer

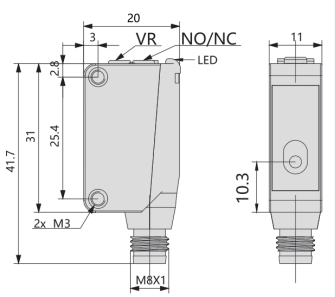
Light immunity	<5000Lux
Blind distance	<10mm
Ambient temperature	-25...55°C
Ambient humidity	35...85%
Housing material	ABS
Ingress protection	IP65
Lens material	PC
Operation indicator	Output: Yellow/Power: Green
Connection	M8 Connector
Accessories	M8 4 pin cable with connector

DIMENSIONAL DRAWINGS

Connector ①



Connector ②



All dimensions in mm.