Q31 Rectangular Photoelectric Sensor

BFTP-R31-R500-R1500-S84-1-LD series · Sensing Distance: 5m / 15m · Operating Voltage: 10...30V DC

IP65
Ingress Protection



KEY SPECIFICATIONS

SENSING DISTANCE 5m / 15m	OPERATING VOLTAGE 10...30V DC
SWITCHING FREQ. 500Hz	AMBIENT TEMP. -25...55°C
HOUSING 31*20*11mm	RESPONSE TIME ≤2ms

MODEL CODES

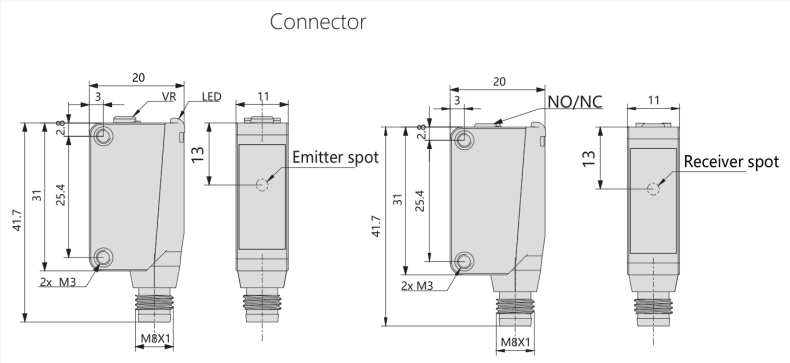
Output Type	5m	15m
Emitter	BFTP-R31-E1R500-S84-1 SKU 10104922	BFTP-R31-E1R1500-S84-1 SKU 10104925
NPN N.O+N.C	BFTP-R31-N31R500-S84-LD SKU 10105378	BFTP-R31-N31R1500-S84-LD SKU 10105380
PNP N.O+N.C	BFTP-R31-P31R500-S84-LD SKU 10105379	BFTP-R31-P31R1500-S84-LD SKU 10105381

TECHNICAL DATA

Size	31*20*11mm
Sensing distance	5m 15m
Detection type	Through-beam
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	M8 Connector
Accessories	M8 4 pin cable with connector

DIMENSIONAL DRAWINGS



All dimensions in mm.