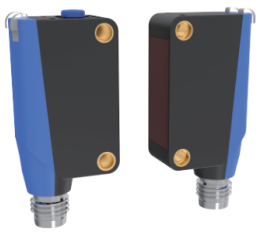
Q31 Rectangular Photoelectric Sensor

BFTP-R31-L500-L1500-S84-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-E1L500-S84** SKU 10105045	**BFTP-R31-E1L1500-S84** SKU 10105050
NPN N.O+N.C	**BFTP-R31-N31L500-S84-LD** SKU 10105382	**BFTP-R31-N31L1500-S84-LD** SKU 10105384
PNP N.O+N.C	**BFTP-R31-P31L500-S84-LD** SKU 10105383	**BFTP-R31-P31L1500-S84-LD** SKU 10105385

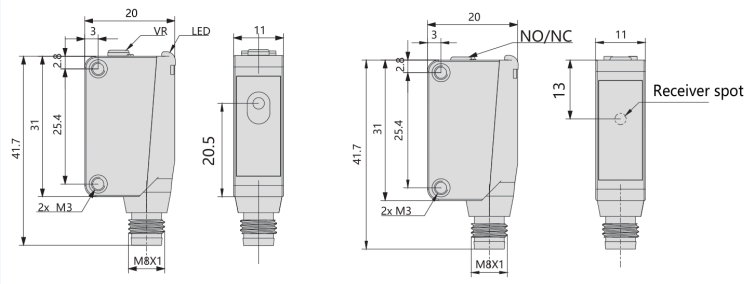
TECHNICAL DATA

Size	31*20*11mm
Sensing distance	5m 15m
Detection type	Through-beam
Switching frequency	500Hz
Operating voltage	10...30V DC
Light source	Laser 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

Connector



All dimensions in mm.