Q60 Rectangular Photoelectric Sensor — TOF

BFDP-R60-31LTR500-31LTR3000-RLTR3000-PC2 series · Sensing Distance: 0.05m~5m / 0.05m~30m · Operating Voltage: 10~30V DC

IP65
Ingress Protection



KEY SPECIFICATIONS

SENSING DISTANCE **0.05m~5m / 0.05m~30m**	OPERATING VOLTAGE **10~30V DC**
SWITCHING FREQ. **0.5Hz / 50Hz**	AMBIENT TEMP. **-10°C~50°C**
HOUSING **60*55*28mm**	BLIND ZONE **50mm**

FEATURES

- TOF (time-of-flight) measuring principle

MODEL CODES

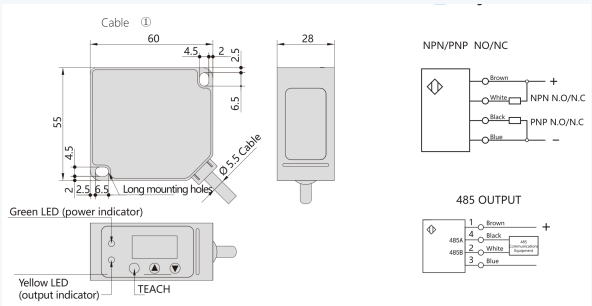
Output Type			
NPN/PNP N.O/N.C	**BFDP-R60-PN31LTR500-PC2** SKU 10105176	**BFDP-R60-PN31LTR3000-PC2** SKU 10105177	–
Receiver	–	–	**BFDP-R60-RLTR3000-PC2** SKU 10105178

TECHNICAL DATA

Size	60*55*28mm
Sensing distance	①: 0.05m~5m ②: 0.05m~30m ③: 0.05m~30m
Blind zone	50mm
Detection accuracy	±2mm
Resolution	1mm
Operating voltage	10~30V DC
No-load current	≤50mA
Load current	①: ≤200mA ②: ≤200mA ③: —
Voltage drop	①: ≤2V ②: ≤2V ③: —

Switching frequency	①: 0.5Hz ②: 0.5Hz ③: 50Hz
Light source	Red light 650nm
Light spot size	5*10mm(5m)
Light immunity	10 kLux
Operating temperature	-10°C~50°C
Storage temperature	-20°C~70°C
Ingress protection	IP65
Connection	2m PVC Cable, 4*0.25mm²

DIMENSIONAL DRAWINGS



All dimensions in mm.