Q45 Rectangular Photoelectric Sensor — TOF

BFDP-R45-LTI500-LTR500-PC2 series · Sensing Distance: 0.05m~5m · Operating Voltage: 10~30V DC

IP65
Ingress Protection



KEY SPECIFICATIONS

SENSING DISTANCE **0.05m~5m**	OPERATING VOLTAGE **10~30V DC**
SWITCHING FREQ. **100Hz**	AMBIENT TEMP. **-10°C~50°C**
HOUSING **45*40*20mm**	BLIND ZONE **50mm**

FEATURES

- TOF (time-of-flight) measuring principle

MODEL CODES

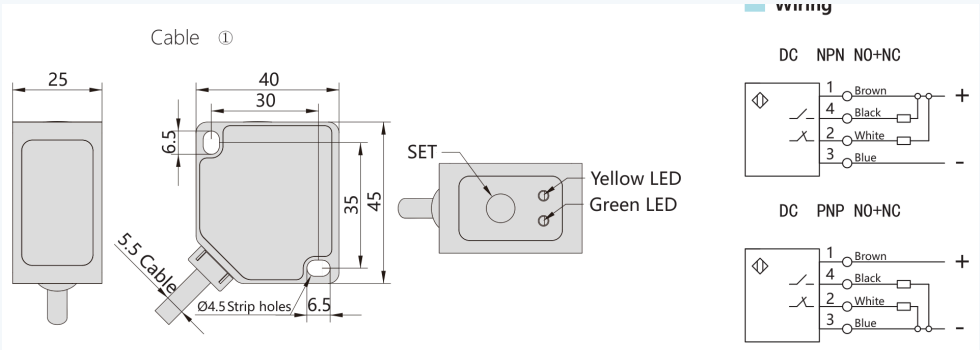
Output Type		
NPN N.O+N.C	**BFDP-R45-N31LTR500-PC2** SKU 10105172	**BFDP-R45-N31LTI500-PC2** SKU 10105174
PNP N.O+N.C	**BFDP-R45-P31LTR500-PC2** SKU 10105173	**BFDP-R45-P31LTI500-PC2** SKU 10105175

TECHNICAL DATA

Size	45*40*20mm
Sensing distance	0.05m~5m
Blind zone	50mm
Detection accuracy	3%
Resolution	1cm
Operating voltage	10~30V DC
No-load current	≤50mA
Load current	≤200mA
Voltage drop	≤2V
Switching frequency	100Hz
Light source	①: Red light 650nm ②: Infrared light 808nm

Light spot size	8*10mm(5m)
Light immunity	≤100 kLux
Overload protection	Yes
Short-circuit protection	Yes
Reverse polarity protection	Yes
Ambient 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.