Q31 Rectangular Photoelectric Sensor

BFRP-R31.T-R200-PC2 series · Sensing Distance: 0...2000mm · Operating Voltage: 10...30V DC

IP65
Ingress Protection



KEY SPECIFICATIONS

SENSING DISTANCE **0...2000mm**	OPERATING VOLTAGE **10...30V DC**
SWITCHING FREQ. **500Hz**	AMBIENT TEMP. **-25...+55°C**
HOUSING **32.1*18*12.8mm**	INGRESS PROTECTION **IP65**

FEATURES

- Co-axial light
- Detection of transparent objects, highly reflective objects

MODEL CODES

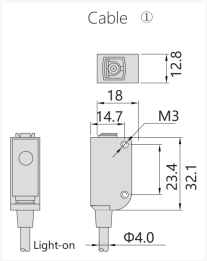
Output Type	Model Code
NPN N.O	**BFRP-R31.T-N11R200-PC2** SKU 10104953
NPN N.C	**BFRP-R31.T-N21R200-PC2** SKU 10104954
PNP N.O	**BFRP-R31.T-P11R200-PC2** SKU 10104955
PNP N.C	**BFRP-R31.T-P21R200-PC2** SKU 10104956

TECHNICAL DATA

Size	32.1*18*12.8mm
Sensing distance	0...2000mm
Detection type	Retro-reflection type(transparent objects detection)
Switching frequency	500Hz
Operating voltage	10...30V DC
Light type	Red Light 650nm
Reaction time	≤2ms
Spot diameter	<10mm
Load current	100mA
Power-on delay	<300ms
Adjustment	Aim at the reflector mirror and continuously press button for 1s duration

Light immunity	<5000Lux
Ambient temperature	-25...+55°C
Ambient humidity	35...85%
Housing material	ABS
Ingress protection	IP65
Lens material	PMMA
LED indicator	Output: Red/Power: Yellow
Connection	2m PVC Cable, 3*0.18mm²
Accessories	FPHL-08

DIMENSIONAL DRAWINGS



All dimensions in mm.