Q31 Rectangular Photoelectric Sensor

BFRP-R31.T-31R200-PC2 series · Sensing Distance: 2m · Operating Voltage: 10...30V DC

IP65
Ingress Protection



KEY SPECIFICATIONS

SENSING DISTANCE **2m**	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

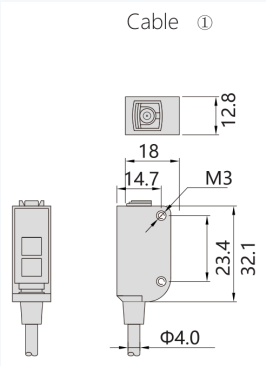
Output Type	Model Code
NPN N.O & PNP N.C	**BFRP-R31.T-PN31R200-PC2** SKU 10104952

TECHNICAL DATA

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

Spot diameter	24×24mm at 1000mm detection distance
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, 4*0.25mm²
Accessories	FPHL-08

DIMENSIONAL DRAWINGS



All dimensions in mm.