Q21 Rectangular Photoelectric Sensor

BFTP-R21-L500-R100-PC2 series · Sensing Distance: 1m / 5m · Operating Voltage: 10-30V DC

IP67
Ingress Protection



① ②

KEY SPECIFICATIONS

SENSING DISTANCE **1m / 5m**	OPERATING VOLTAGE **10-30V DC**
SWITCHING FREQ. **500Hz**	AMBIENT TEMP. **-25...55°C**
HOUSING **21*14*8mm / 21*15*8mm**	RESPONSE TIME **≤2s**

MODEL CODES

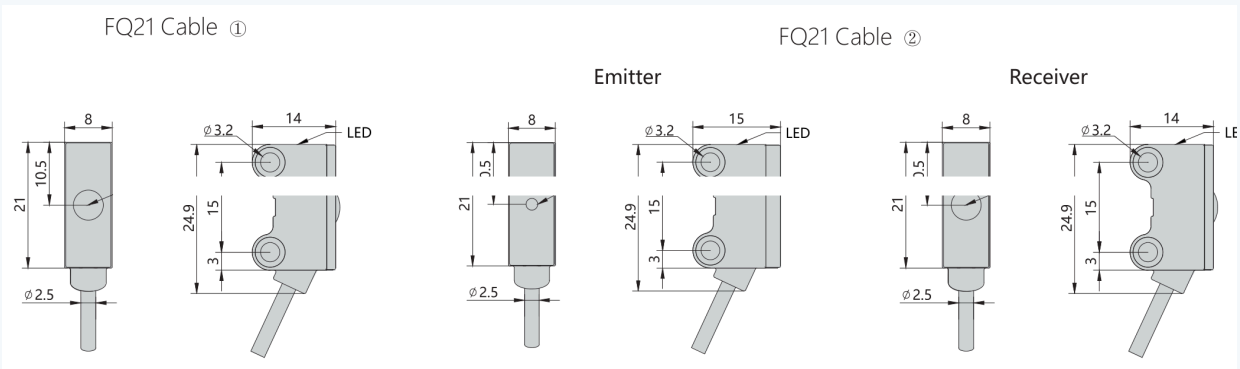
Output Type	21*14*8mm · 1m ①	21*15*8mm · 5m ②
Emitter	**BFTP-R21-E1R100-PC2** SKU 10104868	**BFTP-R21-E1L500-PC2** SKU 10104871
NPN N.O+N.C	**BFTP-R21-N31R100-PC2** SKU 10104869	**BFTP-R21-N31L500-PC2** SKU 10104872
PNP N.O+N.C	**BFTP-R21-P31R100-PC2** SKU 10104870	**BFTP-R21-P31L500-PC2** SKU 10104873

TECHNICAL DATA

Size	**21*14*8mm · 1m:** 21*14*8mm **21*15*8mm · 5m:** 21*15*8mm
Sensing distance	**21*14*8mm · 1m:** 1m **21*15*8mm · 5m:** 5m
Detection type	Through-beam
Switching frequency	500Hz
Operating voltage	10-30V DC
Light source	**21*14*8mm · 1m:** Red light 650nm **21*15*8mm · 5m:** Laser 650nm
Response time	≤2s
Load current	50mA

Power-on delay	≤300ms
Sensitivity adjustment	None
Light immunity	<5000Lux
Ambient temperature	-25...55°C
Ambient humidity	35...85%
Housing material	ABS
Lens material	PC
Ingress protection	IP67
Operation indicator	Output: Yellow/Power: Green
Connection	2m PVC Cable,4*0.09mm²/2*0.08mm²
Accessories	None

DIMENSIONAL DRAWINGS



All dimensions in mm.