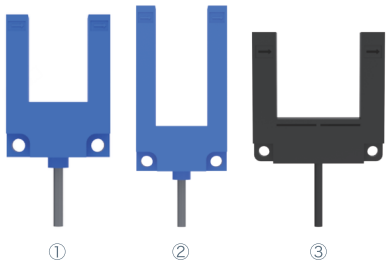
Q50 / Q78 Rectangular Photoelectric Sensor

BFGP-R50-N31I30-PC2 series · Sensing Distance: 30mm / 50mm · Operating Voltage: 10...30V DC



KEY SPECIFICATIONS

SENSING DISTANCE **30mm / 50mm**	OPERATING VOLTAGE **10...30V DC**
SWITCHING FREQ. **500Hz**	AMBIENT TEMP. **-25...55°C**
RESPONSE TIME **<2ms**	

MODEL CODES

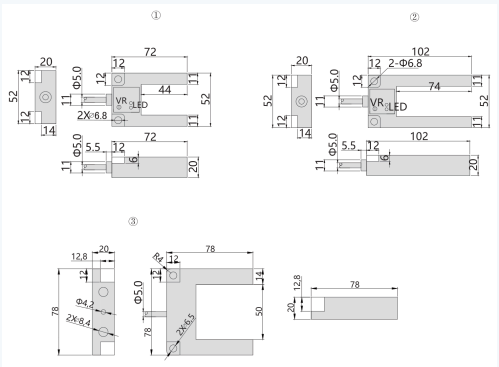
Output Type	72X25X20mm ①	102X25X20mm ②	78X78X20 ③
NPN N.O+N.C	**BFGP-R50-N31I30-PC2** SKU 10105403	**BFGP-R50-N31I30-PC2-L** SKU 10105404	**BFGP-R78-N31I50-PC2** SKU 10105405
PNP N.O+N.C	**BFGP-R50-P31I30-PC2** SKU 10105220	**BFGP-R50-P31I30-PC2-L** SKU 10105221	**BFGP-R78-P31I50-PC2** SKU 10105222

TECHNICAL DATA

Size	72X25X20mm 102X25X20mm 78X78X20
Sensing distance	**72X25X20mm:** 30mm **102X25X20mm:** 30mm **78X78X20:** 50mm
Operating voltage	10...30V DC
Switching frequency	500Hz
Light source	Infrared light 880nm
Response time	<2ms
Load current	100mA
Power-on delay	<300ms

Sensitivity adjustment	Single-turn potentiometer
Light immunity	<5000Lux
Ambient temperature	-25...55°C
Ambient humidity	35...85%
Housing material	ABS
Lens material	PMMA
Operation indicator	Yellow: output/Green: power
Connection	2m PVC Cable, 4*0.25mm²

DIMENSIONAL DRAWINGS



All dimensions in mm.