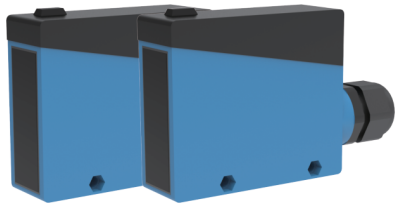
Q78 Rectangular Photoelectric Sensor

BFTP-R78-EU55I5000-RU45I5000-T series · Sensing Distance: 50m · Operating Voltage: 24...240V DC/AC

IP65
Ingress Protection



KEY SPECIFICATIONS

SENSING DISTANCE **50m**	OPERATING VOLTAGE **24...240V DC/AC**
SWITCHING FREQ. **10Hz**	AMBIENT TEMP. **-25...55°C**
HOUSING **78*63*25mm**	RESPONSE TIME **≤100ms**

FEATURES

- Long detection distance
- Wide detection range
- Infrared light with high light immunity capability

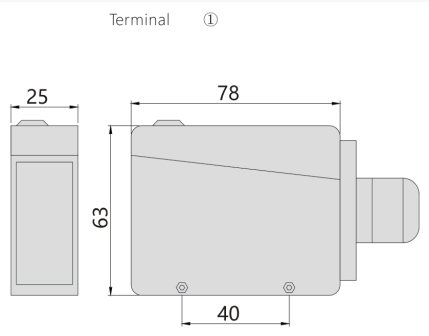
MODEL CODES

Output Type	Model Code
Emitter	**BFTP-R78-EU55I5000-T** SKU 10105136
Receiver	**BFTP-R78-RU45I5000-T** SKU 10105137

TECHNICAL DATA

Size	78*63*25mm	**Sensitivity adjustment**	Single-turn potentiometer
Sensing distance	50m	**Light immunity**	<10000Lux
Detection type	Through-beam	**Ambient temperature**	-25...55°C
Switching frequency	10Hz	**Ambient humidity**	35...85%
Operating voltage	24...240V DC/AC	**Housing material**	PBT
Light source	Infrared light 880nm	**Ingress protection**	IP65
Response time	≤100ms	**Lens material**	PMMA
Load current	5A/30VDC; 1A/220VAC	**Operation indicator**	Output: Yellow/Power: Green
Time control	None	**Connection**	Terminal connection to 2.5mm²
Power-on delay	<300ms	**Accessories**	None

DIMENSIONAL DRAWINGS



All dimensions in mm.