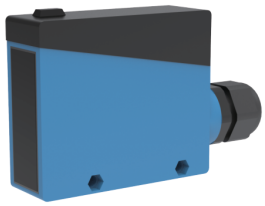
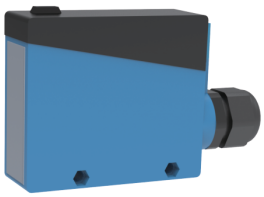
Q78 Rectangular Photoelectric Sensor

BFDP-R78-U45I200-T series · Sensing Distance: 2m / 10m · Operating Voltage: 24...240V AC/DC

IP65
Ingress Protection



①②



③④

KEY SPECIFICATIONS

SENSING DISTANCE **2m / 10m**	OPERATING VOLTAGE **24...240V AC/DC**
SWITCHING FREQ. **10Hz**	AMBIENT TEMP. **-25...55°C**
HOUSING **78*63*25mm**	RESPONSE TIME **≤100ms**

FEATURES

- Long detection distance Quick response time

MODEL CODES

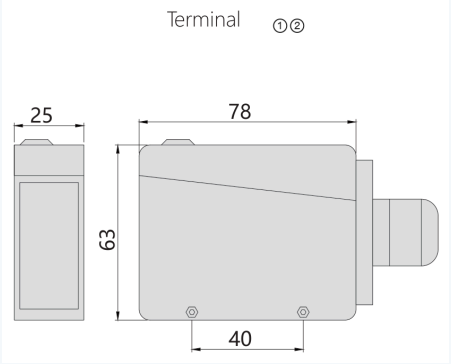
Output Type	①	②	③	④
N.O+N.C	**BFDP-R78-U45I200-T** SKU 10105132	**BFDP-R78-U45I200-T-D** SKU 10105133	**BFRP-R78-U45I1000-T-F** SKU 10105134	**BFRP-R78-U45I1000-T-F-D** SKU 10105135

TECHNICAL DATA

Size	78*63*25mm
Sensing distance	①: 2m ②: 2m ③: 10m ④: 10m
Detection type	①: Diffuse reflection ②: Diffuse reflection ③: Retor-reflective reflection ④: Retor-reflective reflection
Switching frequency	10Hz
Operating voltage	24...240V AC/DC
Light source	Infrared light 880nm
Response time	≤100ms
Load current	5A/30VDC; 1A/220VAC
Time control	0.1s...7s±2s

Power-on delay	<300ms
Sensitivity adjustment	Single-turn potentiometer
Light immunity	<10000Lux
Ambient temperature	-25...55°C
Ambient humidity	35...85%
Housing material	PBT
Ingress protection	IP65
Lens material	PMMA
Operation indicator	Output: Yellow/Power: Green
Connection	Terminal connection to2.5mm²
Accessories	①: None ②: None ③: FPFR-D83 ④: FPFR-D83

DIMENSIONAL DRAWINGS



All dimensions in mm.