M18 Cylindrical Photoelectric Sensor

BFRP-E18-I300-PC2-S124 series · Sensing Distance: 0.1...3m · Operating Voltage: 10...30V DC

IP66
Ingress Protection



① ②

KEY SPECIFICATIONS

SENSING DISTANCE **0.1...3m**	OPERATING VOLTAGE **10...30V DC**
SWITCHING FREQ. **500Hz**	AMBIENT TEMP. **-25...55°C**
HOUSING **M18*1mm**	RESPONSE TIME **<2ms**

FEATURES

- Quick response time
- Wide application range
- Can detect a variety of objects

MODEL CODES

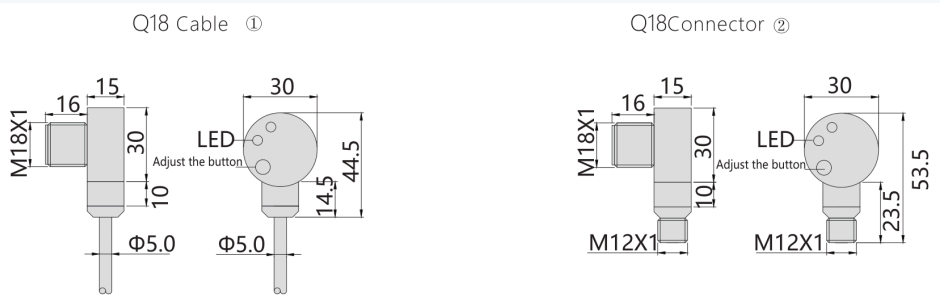
Output Type	①	②
NPN N.O+N.C	**BFRP-E18-N31I300-PC2** SKU 10104802	**BFRP-E18-N31I300-S124** SKU 10104804
PNP N.O+N.C	**BFRP-E18-P31I300-PC2** SKU 10104803	**BFRP-E18-P31I300-S124** SKU 10104805

TECHNICAL DATA

Exterior structure	M18*1mm
Sensing distance	0.1...3m
Detection type	Retro-reflective
Switching frequency	500Hz
Operating voltage	10...30V DC
Light source	Infrared light 880nm
Response time	<2ms
Load current	≤200mA
Power-on delay	<300ms
Sensitivity adjustment	Single-turn potentiometer
Light immunity	<5000Lux

Ambient temperature	-25...55°C
Ambient humidity	35...85%
Housing material	PBT
Ingress protection	IP66
Lens material	PMMA
Operation indicator	Yellow
Connection	①: 2m PVC Cable, 4*0.25mm² ②: M12Connector
Accessories	①: None ②: M12 4 pin cable with connector

DIMENSIONAL DRAWINGS



All dimensions in mm.