Cylindrical Type Photoelectric Sensor

Features

[Common]

- Excellent noise immunity and minimal influence from ambient light
- Power/Output reverse polarity protection circuit, output short over current protection circuit
- Mutual interference prevention function (except through-beam type)
- · Sensitivity adjuster
- . Light ON, Dark ON switchable by control wire

[BRQT, BRQM, BRQP Series (front sensing type)]

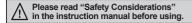
- Various materials: Plastic, Metal (Ni-plated Brass), Stainless steel 316L
- Long sensing distance: 30m (through-beam type)
- Body size BRQT, BRQM: Standard

BRQP: Standard, Short body

Protection structure - BRQT: IP67 (IEC standard), IP69K (DIN standard)
 BRQM, BRQP: IP67 (IEC standard)

[BRQPS Series (side sensing type)]

• Protection structure: IP67 (IEC standard)





[BRQT, BRQM, BRQP Series (front sensing type)]



BRQT-A SUS316L Standard



BRQM-A Ni-plate Brass Standard



BRQP-A Plastic Standard



BRQP-B Plastic Short-body



Reflector (MS-2A)



Reflective tape (MST series)

[BRQPS Series (side sensing type)]



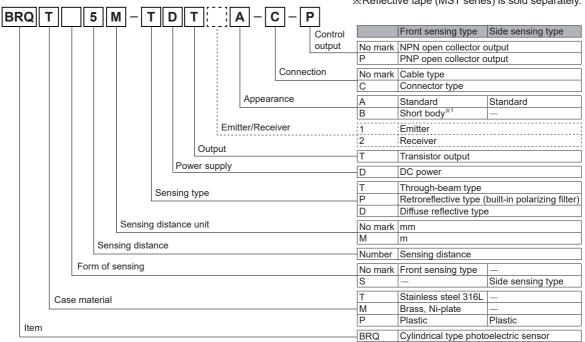




Reflective tape (MST series)

■ Ordering Information

%The model name with '-C' is connector type.
%Reflective tape (MST series) is sold separately.



 $[\]times$ 1: This is only for BRQP Series.

Cylindrical Type Photoelectric Sensor (Front Sensing Type)

Cylindrical Type Photoelectric Sensor (front sensing type)

Specifications

BRQ□1M-	
DDT□-□	CONTROLLERS
BRQ□1M- DDT□-□-P	CONTROLLERS
	MOTION DEVICES
1m ^{×3}	
;	SOFTWARE
tance	
0nm)	
	(A) Photoelectric
	Sensors
	(B) Fiber Optic Sensors
eam type: red LED)	-
	(0)
	(C) LiDAR
	(D)
	Door/Area Sensors
	(E)
	Vision Sensors
	(F)
carbonate	Proximity Sensors
	(G) Pressure
	Sensors
	(H) Rotary
	Encoders (I)
	Connectors/ Connector Cables/ Sensor Distribution Boxes/ Sockets
	BRQ_1M-DDTP

x 1: The sensing distance is specified with using the MS-2A reflector. The distance between the sensor and the reflector should be set over 0.1m. When using reflective tapes, the reflectivity will vary by the size of the tape. Please refer to the 🗉 Reflectivity by Reflective Tape Model' table before using the tape.

SENSORS

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^{%2:} Non-glossy white paper 100×100mm.

^{※3:} Non-glossy white paper 300×300mm.

^{※4:} M12 connector cable is sold separately.

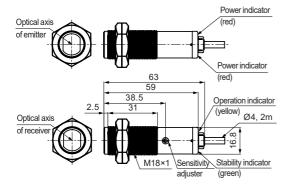
X5: The weight includes packaging. The weight in parenthesis is for unit only.

XThe temperature or humidity mentioned in Environment indicates a non freezing or condensation.

Dimensions

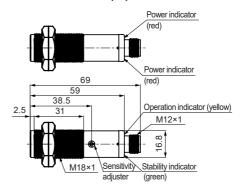
⊚ Through-beam type

- BRQT□-TDTA(-P)
- BRQM□-TDTA(-P)

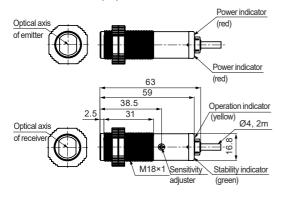


(unit: mm)

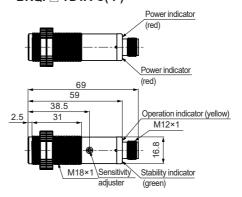
- BRQT□-TDTA-C(-P)
- BRQM□-TDTA-C(-P)



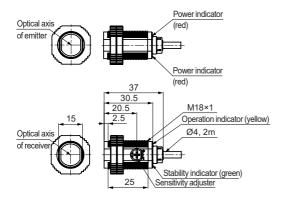
BRQP□-TDTA(-P)



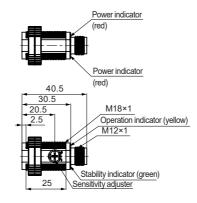
• BRQP□-TDTA-C(-P)



BRQP□-TDTB(-P)



BRQP□-TDTB-C(-P)

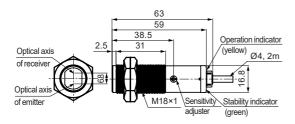


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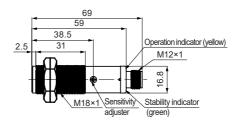
Cylindrical Type Photoelectric Sensor (Front Sensing Type)

Retroreflective/Diffuse reflective type

- BRQT3M-PDTA(-P)/BRQM3M-PDTA(-P)
- BRQT□-DDTA(-P)/BRQM□-DDTA(-P)



- BRQT3M-PDTA-C(-P)/BRQM3M-PDTA-C(-P)
- BRQT□-DDTA-C(-P)/BRQM□-DDTA-C(-P)



SENSORS

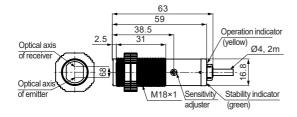
(unit: mm)

CONTROLLERS

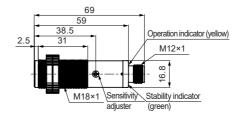
MOTION DEVICES

SOFTWARE

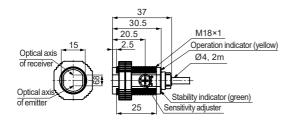
- BRQP3M-PDTA(-P)
- BRQP□-DDTA(-P)



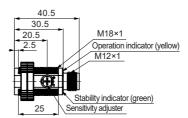
- BRQP3M-PDTA-C(-P)
- BRQP -DDTA-C(-P)



- BRQP3M-PDTB(-P)
- BRQP□-DDTB(-P)



- BRQP3M-PDTB-C(-P)
- BRQP□-DDTB-C(-P)



(A) Photoelectric Sensors

> (B) Fiber Optic Sensors

(C) LiDAR

(D) Door/Area Sensors

(E) Vision Sensors

Proximity Sensors

(G) Pressure Sensors

(H) Rotary Encoders

(I) Connectors/ Connector Cables/ Sensor Distribution Boxes/ Sockets

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