Photoelectric Sensors

Barrel-OP30

Descriptions:

Plastic housing, barrel M30, IP67

Features:

- Reverse polarity, surge and overcurrent
- Wide application by economical and easy operation
- NO+NC output, light on/dark on optional

Type

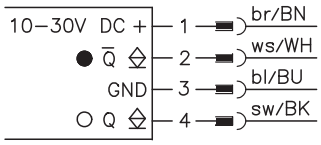
Detection mode	Type	Distance	Beam	Frequency	Output	Switch mode	Connection	Wiring
Opposed	OP30-S6(emitter)	——	Infrared	——	——	——	2m cable	8
	OP30-EVN6(receiver)	20m	——	100Hz	NPN	Light on /Dark on	2m cable	5
	OP30-S6(emitter)	——	Infrared	——	——	——	2m cable	8
	OP30-EVP6(receiver)	20m	——	100Hz	PNP	Light on /Dark on	2m cable	6
	OP30-S6Q(emitter)	——	Infrared	——	——	——	M12 connector	9
	OP30-EVN6Q(receiver)	20m	——	100Hz	NPN	Light on /Dark on	M12 connector	7
	OP30-S6Q(emitter)	——	Infrared	——	——	——	M12 connector	9
	OP30-EVP6Q(receiver)	20m	——	100Hz	PNP	Light on /Dark on	M12 connector	10
Reflective	OP30-RVN6	5m [1)]	Infrared	100Hz	NPN	Light on /Dark on	2m cable	5
	OP30-RVP6	5m [1)]	Infrared	100Hz	PNP	Light on /Dark on	2m cable	6
	OP30-RVN6Q	5m [1)]	Infrared	100Hz	NPN	Light on /Dark on	M12 connector	7
	OP30-RVP6Q	5m [1)]	Infrared	100Hz	PNP	Light on /Dark on	M12 connector	10
1)reflector RB40×60								
Diffused	OP30-K800VN6	800mm(adjustable)	Infrared	100Hz	NPN	Light on /Dark on	2m cable	3
	OP30-K800VP6	800mm(adjustable)	Infrared	100Hz	PNP	Light on /Dark on	2m cable	4
	OP30-K800VN6Q	800mm(adjustable)	Infrared	100Hz	NPN	Light on /Dark on	M12 connector	1
	OP30-K800VP6Q	800mm(adjustable)	Infrared	100Hz	PNP	Light on /Dark on	M12 connector	2

Technical data

Operating voltage	10...30VDC
Response time	Max.3ms
Repetitive error	≤3%
Load current	≤200mA
Residual voltage	≤2.5VDC
Power consumption	≤15mA
Protective Circuit	Surge, reverse polarity, short circuit
Yellow LED	Switch output
Housing	PBT
Ambient temperature	-25...55℃
Ambient humidity	35...85RH
Voltage withstand	1000V/AC 50/60Hz 60s
Shock resistance	Complex amplitude1.5mm 10...50Hz ,2 hours for X,Y,Z direction respectively
Insulation resistance	≥50mΩ(500VDC)
Protection degree	IP67

Barrel-OP30

Electrical connection



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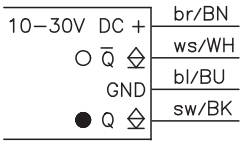

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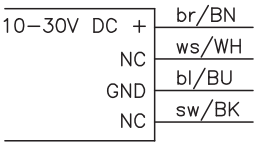

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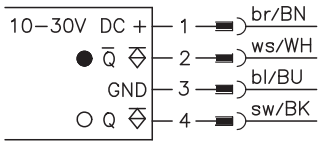

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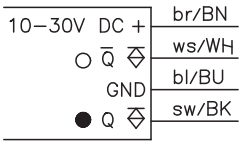

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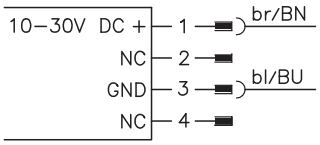

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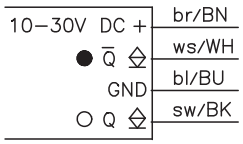

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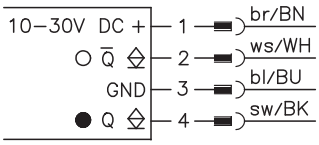

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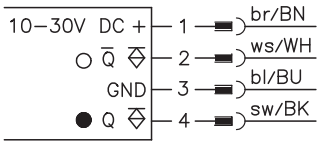

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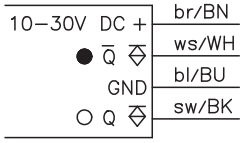

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Dimensions