

Photoelectric Sensors

Barrel-O(B)G18



Descriptions:

Plastic housing, compact size, convenient and flexible installation.

Features:

- Economical
- light on /dark on
- IP 67



Type

Optical face top

Detection mode	Type	Distance	Beam	Frequency	Output	Switch mode	Connection	Wiring
Opposed	OG18-S6(emitter)	—	Red	—	—	—	2m cable	2
	OG18-EVP6(receiver)	20m	—	500Hz	PNP	Light on /Dark on	2m cable	3
	OG18-S6Q(emitter)	—	Red	—	—	—	M12 connector	1
	OG18-EVP6Q(receiver)	20m	—	500Hz	PNP	Light on /Dark on	M12 connector	4
Polarized retro-reflective	OG18-RPVP6	4.5m ¹⁾ (adjustable)	Red	500Hz	PNP	Light on /Dark on	2m cable	3
	OG18-RPVP6Q	4.5m ¹⁾ (adjustable)	Red	500Hz	PNP	Light on /Dark on	M12 connector	4
1)corresponding reflector RB50×50 to the detection distance								
Diffused	OG18-K200VP6	200mm(adjustable)	Red	500Hz	PNP	Light on /Dark on	2m cable	3
	OG18-K200VP6Q	200mm(adjustable)	Red	500Hz	PNP	Light on /Dark on	M12 connector	4
	OG18-K450VP6	450mm(adjustable)	Red	500Hz	PNP	Light on /Dark on	2m cable	3
	OG18-K450VP6Q	450mm(adjustable)	Red	500Hz	PNP	Light on /Dark on	M12 connector	4
Optical face lateral								
Opposed	OBG18-S6(emitter)	—	Red	—	—	—	2m cable	2
	OBG18-EVP6(receiver)	20m	—	500Hz	PNP	Light on /Dark on	2m cable	3
	OBG18-S6Q(emitter)	—	Red	—	—	—	M12 connector	1
	OBG18-EVP6Q(receiver)	20m	—	500Hz	PNP	Light on /Dark on	M12 connector	4
Reflector	OBG18-RVP6	5.5m ²⁾ (adjustable)	Red	500Hz	PNP	Light on /Dark on	2m cable	3
	OBG18-RVP6Q	5.5m ²⁾ (adjustable)	Red	500Hz	PNP	Light on /Dark on	M12 connector	4
Polarized retro-reflective	OBG18-RPVP6	3.5m ²⁾ (adjustable)	Red	500Hz	PNP	Light on /Dark on	2m cable	3
	OBG18-RPVP6Q	3.5m ²⁾ (adjustable)	Red	500Hz	PNP	Light on /Dark on	M12 connector	4
2)corresponding reflector RB50×50 to the detection distance								
Diffused	OBG18-K200VP6	200mm(adjustable)	Red	500Hz	PNP	Light on /Dark on	2m cable	3
	OBG18-K200VP6Q	200mm(adjustable)	Red	500Hz	PNP	Light on /Dark on	M12 connector	4
	OBG18-K400VP6	400mm(adjustable)	Red	500Hz	PNP	Light on /Dark on	2m cable	3
	OBG18-K400VP6Q	400mm(adjustable)	Red	500Hz	PNP	Light on /Dark on	M12 connector	4

Technical data

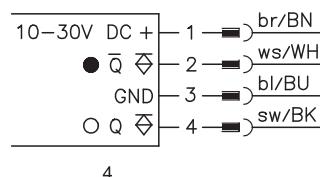
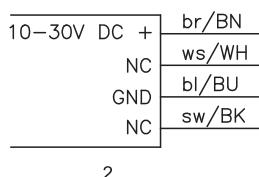
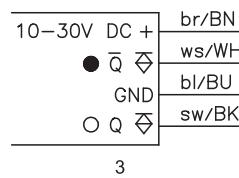
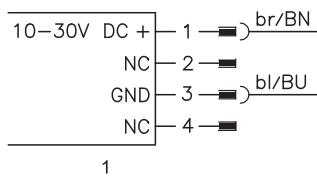
Operating voltage	10...30VDC
Ripple voltage	<20mA
Beam	Red
Output	PNP
Switching mode	light on/dark on
Load current	≤100mA
Response time	≤1ms

Photoelectric Sensors

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Sensitivity	Adjustable
Response time	<3ms(opposed) <1ms(others)
Yellow LED	Switch output
Housing	PC
Optical face	PMMA
Divergence angle	4°(diffused) 2°(reflector) 3°(opposed)
Connection	M12 connector ,2m cable
Ambient temperature	-25...60°C
Storage ambient temperature	-30...70°C
Protection degree	IP67

Electrical connection



Dimensions

