

Photoelectric Sensors

Compact-OSQ18



Descriptions:

Plastic housing, self-contained size, convenient and flexible installation.

Features:

- NO+NC push-pull output
- light on /dark on optional
- IP 67 protection degree

Type

Detection mode	Type	Distance	Beam	Frequency	Output	Switch mode	Connection	Wiring
Opposed	OSQ18-S6(emitter)	—	Infrared	—	—	—	2m cable	2
	OSQ18-EV1B6(receiver)	20m	—	150Hz	2xPush-Pull	Light on /Dark on	2m cable	5
	OSQ18-S6Q8(emitter)	—	Infrared	—	—	—	M8 connector	1
	OSQ18-EV1B6Q8(receiver)	20m	—	150Hz	2xPush-Pull	Light on /Dark on	M8 connector	4
Retro-reflective	OSQ18-RVN6	6.5m ¹⁾ (adjustable)	Red	500Hz	NPN	Light on /Dark on	2m cable	6
Polarized retro-reflective	OSQ18-RPVP6	3.5m ¹⁾ (adjustable)	Red	500Hz	PNP	Light on /Dark on	2m cable	3
	OSQ18-RPVN6	3.5m ¹⁾ (adjustable)	Red	500Hz	NPN	Light on /Dark on	2m cable	6
	OSQ18-RPVP6Q8	3.5m ¹⁾ (adjustable)	Red	500Hz	PNP	Light on /Dark on	M8 connector	8
	OSQ18-RPVN6Q8	3.5m ¹⁾ (adjustable)	Red	500Hz	NPN	Light on /Dark on	M8 connector	7
1)corresponding reflector RB50×50 to the detection distance								
Diffused	OSQ18-K450VP6	450mm(adjustable)	Infrared	500Hz	PNP	Light on /Dark on	2m cable	3
	OSQ18-K450VN6	450mm(adjustable)	Infrared	500Hz	NPN	Light on /Dark on	2m cable	6
	OSQ18-K450VP6Q8	450mm(adjustable)	Infrared	500Hz	PNP	Light on /Dark on	M8 connector	8
	OSQ18-K450VN6Q8	450mm(adjustable)	Infrared	500Hz	NPN	Light on /Dark on	M8 connector	7

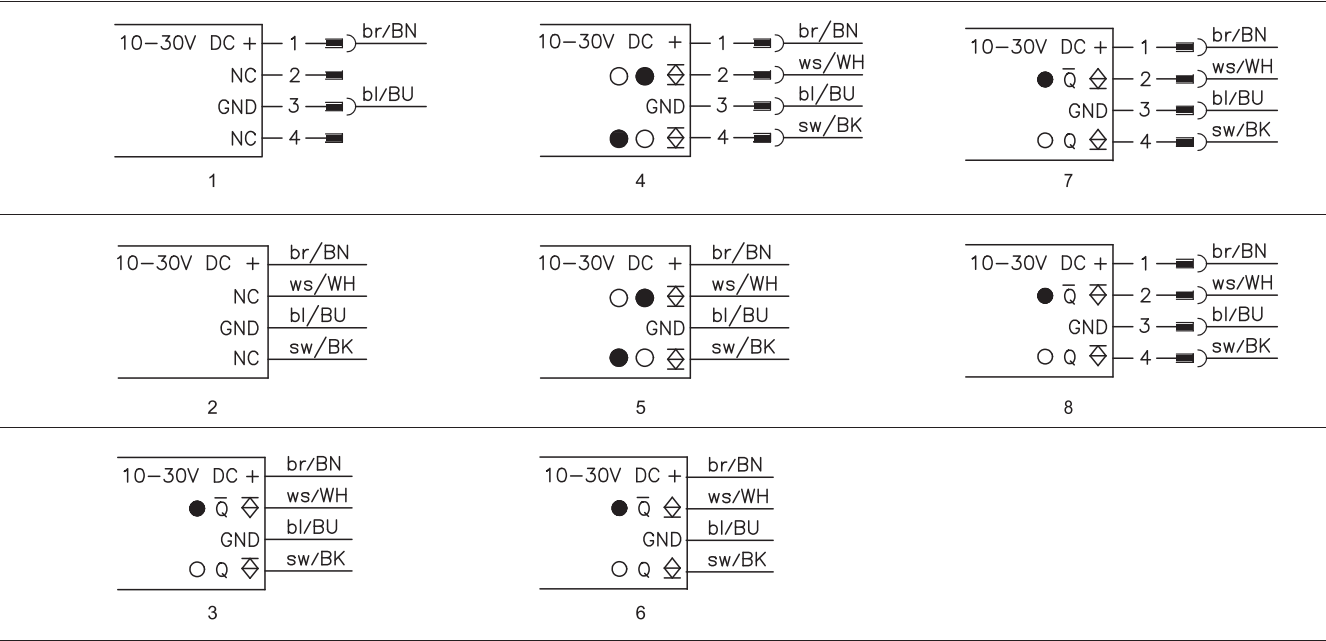
Technical data

Operating voltage	10...30VDC
Ripple voltage	±10% of UB
Beam	Red,infrared
Output	2xPush-Pull、PNP、NPN
Switching mode	Light on/Dark on
No-load current	≤25mA
Load current	≤100mA
Sensitivity	Adjustable
Response time	<3ms(opposed)<1ms(others)
Yellow LED	Switch output
Housing	ABS
Optical face	PMMA
Divergence angle	4°(diffused) 2°(reflector) 3°(opposed)
Connection	M8 connector ,2m cable
Ambient temperature	-20...70℃
Storage ambient temperature	-40...75℃
Protection degree	IP67

Photoelectric Sensors

Compact-OSQ18

Electrical connection



Dimensions

