

Photoelectric Sensors

Barrel-OP18



Descriptions:

Plastic housing, barrel M18, IP67.

Features:

- Sensitivity adjustable
- NO+NC output
- Advanced trigger input

Type:

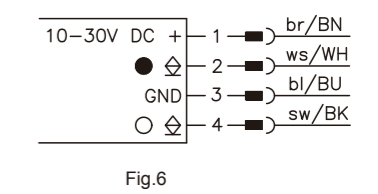
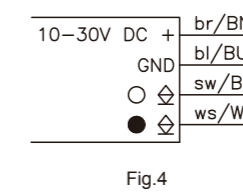
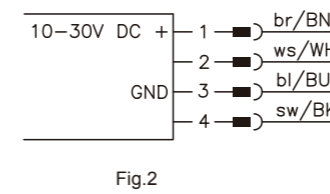
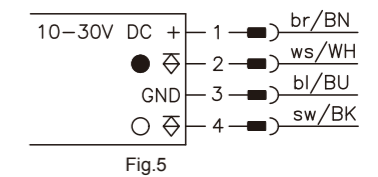
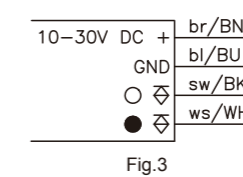
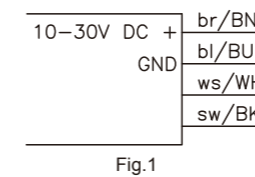
Detection mode	Type	Distance	Beam	Frequency	Output	Switch mode	Connection	Wiring
Opposed	OP18-S6 (transmitter)	—	Infrared	—	—	—	2m cable	Fig.1
	OP18-EVP6 (receiver)	10m	—	1000Hz	PNP	Light on/Dark on	2m cable	Fig.3
	OP18-EVN6 (transmitter)	10m	—	1000Hz	NPN	Light on/Dark on	2m cable	Fig.4
	OP18-S6Q (receiver)	—	Infrared	—	—	—	M12 connector	Fig.2
	OP18-EVP6Q (transmitter)	10m	—	1000Hz	PNP	Light on/Dark on	M12 connector	Fig.5
	OP18-EVN6Q (receiver)	10m	—	1000Hz	NPN	Light on/Dark on	M12 connector	Fig.6
Reflective	OP18-RVP6	3m ¹⁾	Infrared	1000Hz	PNP	Light on/Dark on	2m cable	Fig.3
	OP18-RVN6	3m ¹⁾	Infrared	1000Hz	NPN	Light on/Dark on	2m cable	Fig.4
	OP18-RVP6Q	3m ¹⁾	Infrared	1000Hz	PNP	Light on/Dark on	M12 connector	Fig.5
	OP18-RVN6Q	3m ¹⁾	Infrared	1000Hz	NPN	Light on/Dark on	M12 connector	Fig.6
Polarized retro-reflective	OP18-RPVP6	3m ¹⁾	Red	1000Hz	PNP	Light on/Dark on	2m cable	Fig.3
	OP18-RPVN6	3m ¹⁾	Red	1000Hz	NPN	Light on/Dark on	2m cable	Fig.4
	OP18-RPVP6Q	3m ¹⁾	Red	1000Hz	PNP	Light on/Dark on	M12 connector	Fig.5
	OP18-RPVN6Q	3m ¹⁾	Red	1000Hz	NPN	Light on/Dark on	M12 connector	Fig.6
1) Reflector RB30x50								
Diffused	OP18-K100VP6	100mm	Infrared	1000Hz	PNP	Light on/Dark on	2m cable	Fig.3
	OP18-K100VN6	100mm	Infrared	1000Hz	NPN	Light on/Dark on	2m cable	Fig.4
	OP18-K100VP6Q	100mm	Infrared	1000Hz	PNP	Light on/Dark on	M12 connector	Fig.5
	OP18-K100VN6Q	100mm	Infrared	1000Hz	NPN	Light on/Dark on	M12 connector	Fig.6
	OP18-K200VP6	200mm	Infrared	1000Hz	PNP	Light on/Dark on	2m cable	Fig.3
	OP18-K200VN6	200mm	Infrared	1000Hz	NPN	Light on/Dark on	2m cable	Fig.4
	OP18-K200VP6Q	200mm	Infrared	1000Hz	PNP	Light on/Dark on	M12 connector	Fig.5
	OP18-K200VN6Q	200mm	Infrared	1000Hz	NPN	Light on/Dark on	M12 connector	Fig.6
	OP18-K400VP6	400mm	Infrared	1000Hz	PNP	Light on/Dark on	2m cable	Fig.3
	OP18-K400VN6	400mm	Infrared	1000Hz	NPN	Light on/Dark on	2m cable	Fig.4
	OP18-K400VP6Q	400mm	Infrared	1000Hz	PNP	Light on/Dark on	M12 connector	Fig.5
	OP18-K400VN6Q	400mm	Infrared	1000Hz	NPN	Light on/Dark on	M12 connector	Fig.6
	OP18-K600VP6	600mm	Infrared	1000Hz	PNP	Light on/Dark on	2m cable	Fig.3
	OP18-K600VN6	600mm	Infrared	1000Hz	NPN	Light on/Dark on	2m cable	Fig.4
	OP18-K600VP6Q	600mm	Infrared	1000Hz	PNP	Light on/Dark on	M12 connector	Fig.5
	OP18-K600VN6Q	600mm	Infrared	1000Hz	NPN	Light on/Dark on	M12 connector	Fig.6

Barrel-OP18

Technical Data:

Operating voltage	10...30VDC
Ripple voltage	≤10% of U _B
No-load current	Opposed: ≤25mA; Others: ≤15mA
Output current	Max. 100mA
Sensitivity	Adjustable
Power on delay	≤30ms
Yellow LED	Switch output
Yellow LED flashing	No signal redundancy
Housing	PA12
Optical face	PA12
Weight	20g/90g
Ambient temperature	-40...70°C
Storage temperature	-25...65°C
Protective circuit	Reverse polarity, short circuit, interference suppression
Protective degree	IP67

Electrical Connection:



Dimensions:

