

Photoelectric Sensors

Barrel-OM18



Descriptions:

Metal 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	OM18-S6 (emitter)	—	Infrared	—	—	—	2m cable	Fig.1
	OM18-EVP6 (receiver)	10m	—	200Hz	PNP	Light on/dark on	2m cable	Fig.3
	OM18-EVN6 (receiver)	10m	—	200Hz	NPN	Light on/dark on	2m cable	Fig.4
	OM18-S6Q (emitter)	—	Infrared	—	—	—	M12 connector	Fig.2
Reflective	OM18-EVP6Q (receiver)	10m	—	200Hz	PNP	Light on/dark on	M12 connector	Fig.5
	OM18-EVN6Q (receiver)	10m	—	200Hz	PNP	Light on/dark on	M12 connector	Fig.6
	OM18-RVP6	3m ¹⁾	Infrared	200Hz	PNP	Light on/dark on	2m cable	Fig.3
	OM18-RVN6	3m ¹⁾	Infrared	200Hz	NPN	Light on/dark on	2m cable	Fig.4
Polarized retro-reflective	OM18-RVP6Q	3m ¹⁾	Infrared	200Hz	PNP	Light on/dark on	M12 connector	Fig.5
	OM18-RVN6Q	3m ¹⁾	Infrared	200Hz	NPN	Light on/dark on	M12 connector	Fig.6
	OM18-RPVP6	3m ¹⁾	Red	200Hz	PNP	Light on/dark on	2m cable	Fig.3
	OM18-RPVN6	3m ¹⁾	Red	200Hz	NPN	Light on/dark on	2m cable	Fig.4
Diffused	OM18-RVP6Q	3m ¹⁾	Red	200Hz	PNP	Light on/dark on	M12 connector	Fig.5
	OM18-RPVN6Q	3m ¹⁾	Red	200Hz	NPN	Light on/dark on	M12 connector	Fig.6
	OM18-K100VP6	100mm	Infrared	200Hz	PNP	Light on/dark on	2m cable	Fig.3
	OM18-K100VN6	100mm	Infrared	200Hz	NPN	Light on/dark on	2m cable	Fig.4
Diffused	OM18-K100VP6Q	100mm	Infrared	200Hz	PNP	Light on/dark on	M12 connector	Fig.5
	OM18-K100VN6Q	100mm	Infrared	200Hz	NPN	Light on/dark on	M12 connector	Fig.6
	OM18-K200VP6	200mm	Infrared	200Hz	PNP	Light on/dark on	2m cable	Fig.3
	OM18-K200VN6	200mm	Infrared	200Hz	NPN	Light on/dark on	2m cable	Fig.4
	OM18-K200VP6Q	200mm	Infrared	200Hz	PNP	Light on/dark on	M12 connector	Fig.5
	OM18-K200VN6Q	200mm	Infrared	200Hz	NPN	Light on/dark on	M12 connector	Fig.6
	OM18-K400VP6	400mm	Infrared	200Hz	PNP	Light on/dark on	2m cable	Fig.3
	OM18-K400VN6	400mm	Infrared	200Hz	NPN	Light on/dark on	2m cable	Fig.4
	OM18-K400VP6Q	400mm	Infrared	200Hz	PNP	Light on/dark on	M12 connector	Fig.5
	OM18-K400VN6Q	400mm	Infrared	200Hz	NPN	Light on/dark on	M12 connector	Fig.6
	OM18-K600VP6	600mm	Infrared	200Hz	PNP	Light on/dark on	2m cable	Fig.3
	OM18-K600VN6	600mm	Infrared	200Hz	NPN	Light on/dark on	2m cable	Fig.4
	OM18-K600VP6Q	600mm	Infrared	200Hz	PNP	Light on/dark on	M12 connector	Fig.5
	OM18-K600VN6Q	600mm	Infrared	200Hz	NPN	Light on/dark on	M12 connector	Fig.6

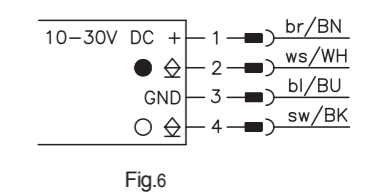
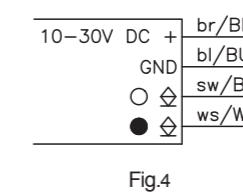
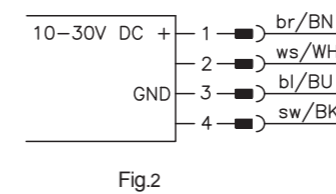
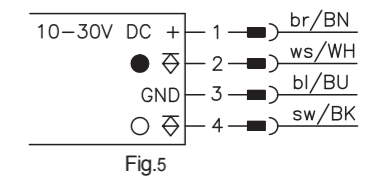
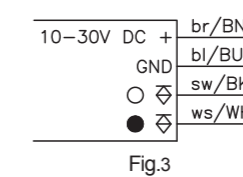
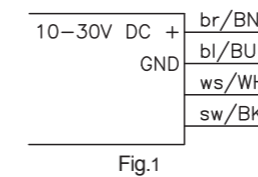
1) Reflector RB30x50

Barrel-OM18

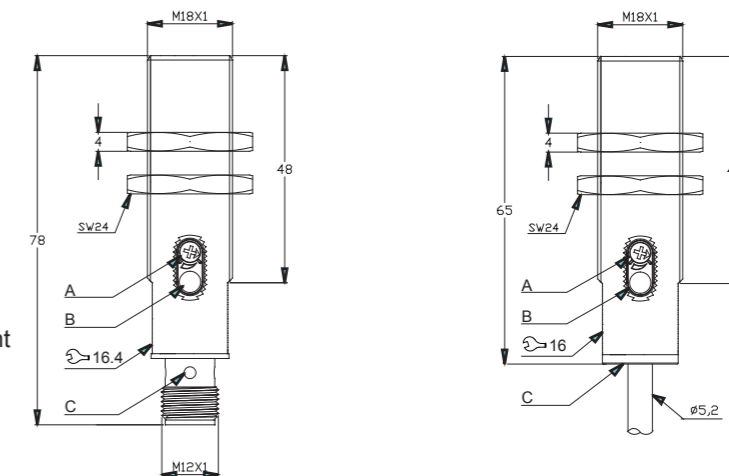
Technical Data:

Operating voltage	10...30VDC
Ripple voltage	≤10% of U _B
No-load current	Opposed: ≤25mA; Others: ≤15mA
Output current	Max. 200mA
Sensitivity	Adjustable
Power on delay	≤30ms
Yellow LED	Switch output
Yellow LED flashing	No signal redundancy
Housing	Nickel-plated brass
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:



- A Sensitivity adjustment
- B LED
- C Output indicator
- ↻ Spanner slot

Photoelectric Sensors

Barrel-OM18



Descriptions:

Metal housing, barrel M18, long distance, IP67.

Features:

- 60m opposed
- Sensitivity adjustable
- NO+NC output
- Double LED 360° indicator
- Spanner slot facilitates mounting



Type:

Detection mode	Type	Distance	Beam	Frequency	Output	Switch mode	Connection	Wiring
Opposed	OM18-SL606 (emitter)	—	Laser	—	—	—	2m cable	Fig.1
	OM18-EL60VP6 (receiver)	60m	—	200Hz	PNP	Light on/dark on	2m cable	Fig.3
	OM18-EL60VN6 (receiver)	60m	—	200Hz	NPN	Light on/dark on	2m cable	Fig.4
	OM18-SL606Q (emitter)	—	Laser	—	—	—	M12 connector	Fig.2
	OM18-EL60VP6Q (receiver)	60m	—	200Hz	PNP	Light on/dark on	M12 connector	Fig.5
	OM18-EL60VN6Q (receiver)	60m	—	200Hz	NPN	Light on/dark on	M12 connector	Fig.6

Technical Data:

Operating voltage	10...30VDC
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Output current	Max. 200mA
Sensitivity	Adjustable
Power on delay	≤30ms
Yellow LED	Output indicator
Yellow LED flashing	Power indicator
Housing	Nickel-plated brass
Optical face	PMMA
Weight	20g/90g
Ambient temperature	-25...60°C
Storage temperature	-25...65°C
Protective circuit	Reverse polarity, short circuit, interference suppression
Protective degree	IP67

Barrel-OM18

Electrical Connection:

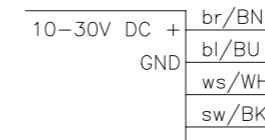


Fig.1

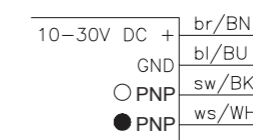


Fig.3

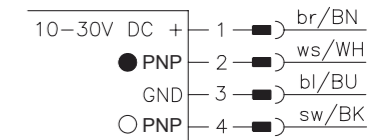


Fig.5

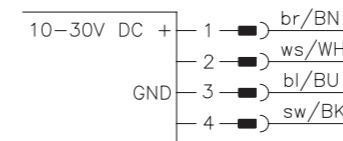


Fig.2

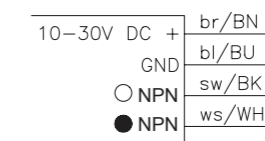


Fig.4

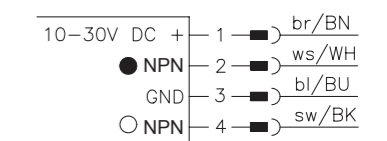
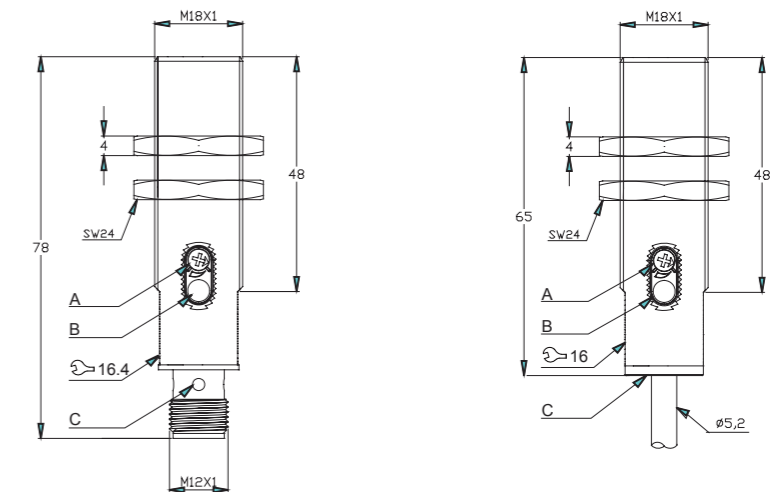


Fig.6

Dimensions:



A Sensitivity adjustment

B LED

C Output indicator

↻ Spanner slot