

Photoelectric Sensors

Compact-OS28



Descriptions:

Small size, wide application, excellent detection capability, free from background.

Features:

- Surge, reverse polarity, short circuit
- Switch state could be checked by yellow LED
- IP65(IEC) protection degree

Type:

Detection mode	Type	Distance	Beam	Frequency	Output	Switch mode	Connection	Wiring
Opposed	OS28-S6(emitter)	—	Infrared	—	—	—	2m cable	2
	OS28-ECN6(receiver)	10m	—	100Hz	NPN	Light on/Dark on	2m cable	3
	OS28-S6(emitter)	—	Infrared	—	—	—	2m cable	2
	OS28-ECP6(receiver)	10m	—	100Hz	PNP	Light on/Dark on	2m cable	1
Retro-reflective	OS28-RCN6	2m ¹⁾	Infrared	200Hz	NPN	Light on/Dark on	2m cable	3
	OS28-RCP6	2m ¹⁾	Infrared	200Hz	PNP	Light on/Dark on	2m cable	1
1)reflector RB40×60								
Diffused	OS28-K300CN6	300mm(adjustable)	Infrared	200Hz	NPN	Light on/Dark on	2m cable	3
	OS28-K300CP6	300mm(adjustable)	Infrared	200Hz	PNP	Light on/Dark on	2m cable	1

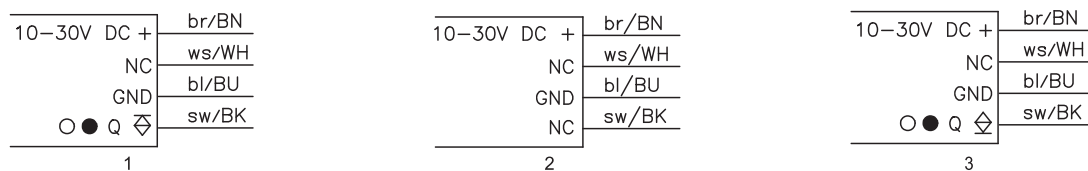
Technical data

Operating voltage	10...30VDC
Response time	Max.3ms
Repetitive error	≤3%
Load current	≤100mA
Residual voltage	≤2.5VDC
Power consumption	≤30mA(opposed & diffused): ≤15mA (Retro-reflective)
Protective Circuit	Surge, reverse polarity, short circuit
Yellow LED	Switch output
Green LED	Power and stable operation
Housing	PC/ABS
Ambient temperature	-25...55℃
Ambient humidity	35...85RH
Voltage withstand	1000V/AC 50/60Hz 60s
Insulation resistance	≥50mΩ(500VDC)
Shock resistance	Complex amplitude 1.5mm 10...50Hz (2 hours for X,Y,Z direction respectively)
Protection degree	IP65

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Electrical connection



Dimensions

