

Photoelectric Sensors

Compact-OS25



Descriptions:

Small size, installation in small space, sensitivity adjustable

Features:

- Reverse polarity, surge
- 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	OS25-S6(emitter)	—	Infrared	—	—	—	2m cable	5
	OS25-EDN6(receiver)	5m	—	400Hz	NPN	Dark on	2m cable	2
	OS25-S6(emitter)	—	Infrared	—	—	—	2m cable	5
	OS25-ELN6(receiver)	5m	—	400Hz	NPN	Light on	2m cable	3
	OS25-S6(emitter)	—	Infrared	—	—	—	2m cable	5
	OS25-EDP6(receiver)	5m	—	400Hz	PNP	Dark on	2m cable	4
	OS25-S6(emitter)	—	Infrared	—	—	—	2m cable	5
	OS25-ELP6(receiver)	5m	—	400Hz	PNP	—	2m cable	1
Diffused	OS25-K300LN6	300mm(adjustable)	Red	800Hz	NPN	Dark on	2m cable	2
	OS25-K300DN6	300mm(adjustable)	Red	800Hz	NPN	Light on	2m cable	3
	OS25-K300LP6	300mm(adjustable)	Red	800Hz	PNP	Dark on	2m cable	4
	OS25-K300DP6	300mm(adjustable)	Red	800Hz	PNP	Light on	2m cable	1
Convergent	OS25-FK30LN6	30mm(adjustable)	Red	800Hz	NPN	Dark on	2m cable	2
	OS25-FK30DN6	30mm(adjustable)	Red	800Hz	NPN	Light on	2m cable	3
	OS25-FK30LP6	30mm(adjustable)	Red	800Hz	PNP	Dark on	2m cable	4
	OS25-FK30DP6	30mm(adjustable)	Red	800Hz	PNP	Light on	2m cable	1
	OS25-FK50LN6	50mm(adjustable)	Red	800Hz	NPN	Dark on	2m cable	2
	OS25-FK50DN6	50mm(adjustable)	Red	800Hz	NPN	Light on	2m cable	3
	OS25-FK50LP6	50mm(adjustable)	Red	800Hz	PNP	Dark on	2m cable	4
	OS25-FK50DP6	50mm(adjustable)	Red	800Hz	PNP	Light on	2m cable	1

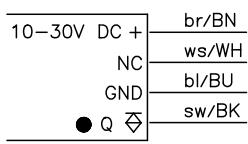
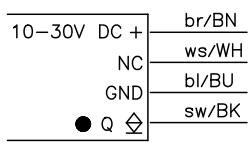
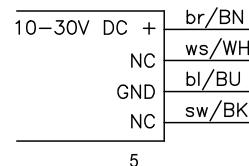
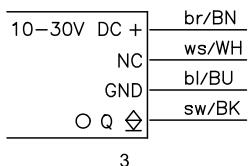
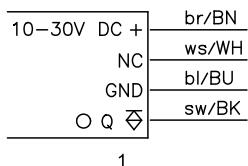
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Technical data

Operating voltage	10...30VDC
Response time	Max.0.35ms
Repetitive error	≤3%
Load current	≤100mA
Residual voltage	≤2.5VDC
Power consumption	≤30mA
Protective Circuit	Surge, reverse polarity, short circuit
Yellow LED	Switch output
Housing	PC/ABS
Ambient temperature	-25...55°C
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

Electrical connection



Dimensions

