

1-800-GRAINGER (472-4643)



Photoelectric and Fiber Optic Sensors

Width	Height	Depth	Power Requirement	Foot-notes	Photoelectric Operating Mode	Output Circuit Type	Max. Load Current	Brand	RETROREFLECTIVE		DIFFUSE		THROUGH BEAM SET		
									Max. Sensing Distance	Item No.	Max. Sensing Distance	Item No.	Max. Sensing Distance	Item No.	
Cylindrical Photoelectric Sensors															
18 mm	18 mm	—	24 to 240V AC/DC	—	Light On	Solid State Relay, SPST	200 mA	Telemecanique	3.0 m	5JV46	—	—	20.0 m	5JV44	
18 mm	45 mm	—	5 to 30V DC	4, 5	Selectable Light On/Dark On	NPN	100 mA	Omron	—	—	100 mm	20RD60	20.0 m	20RD59	
18 mm	18 mm	—	24 to 240V AC/DC	—	Dark On	Solid State Relay, SPST	200 mA	Telemecanique	—	—	—	—	20.0 m	5JV43	
18 mm	18 mm	—	24 to 240V AC/DC	4	Dark On	Solid State Relay, SPST	200 mA	Telemecanique	3.0 m	5JV45	—	—	—	—	
18 mm	45 mm	—	5 to 30V DC	—	Selectable Light On/Dark On	PNP	100 mA	Omron	—	—	100 mm	20RD65	100 mm	20RD63	
18 mm	45 mm	—	5 to 30V DC	—	Selectable Light On/Dark On	PNP	100 mA	Omron	—	—	100 mm	20RD66	100 mm	20RD64	
18 mm	45 mm	—	10 to 30V DC	—	Selectable Light On/Dark On	NPN	100 mA	Omron	—	—	—	—	100 mm	20RD69	
18 mm	45 mm	—	5 to 30V DC	—	Selectable Light On/Dark On	NPN	100 mA	Omron	—	—	100 mm	20RD70	—	—	
Fiber Optic															
6-Ft. Fiber Optic Sensor Cable									Omron	—	—	—	4A339	—	4A340
Rectangular Photoelectric Sensors															
10 mm	30 mm	20 mm	12 to 24V DC	4	Selectable Light On/Dark On	NPN	100 mA	Omron	500 mm	1DU39	100 mm	1DU40	15 m	1DU38	
10 mm	30 mm	20 mm	12 to 24V DC	4	Selectable Light On/Dark On	PNP	100 mA	Omron	100 mm	1DU44	200 mm	1DU47	15 m	1DU45	
23 mm	20 mm	50 mm	10 to 30V DC	3, 4	Selectable Light On/Dark On	NPN/PNP	100 mA	Omron	—	—	700 mm	4A334	30 m	6C770	
23 mm	20 mm	57 mm	10 to 30V DC	3, 4	Selectable Light On/Dark On	NPN/PNP	100 mA	Omron	—	—	700 mm	6C769	30 m	6C771	
23 mm	20 mm	50 mm	10 to 30V DC	2, 3, 4	Selectable Light On/Dark On	NPN/PNP	100 mA	Omron	3 m	4A335	500 mm	2UUK9	—	—	
89 mm	185 mm	64 mm	42 to 240V AC/24 to 240V DC	1, 3, 7, 8, 9	Selectable Light On/Dark On	DPDT	10 A	Omron	10 m	2A183	—	—	—	—	

Footnotes: 1—Reflector included. 2—Polarized. 3—NEMA 4X. 4—Prewired with 6.5 ft. of cable. 5—NEMA 4. 6—On-delay, Off-delay, 1-shot 0.1-5 seconds. 7—Conduit connection. 8—Opaque objects only. 9—Sensitivity adjustment.



Osisense™ Photoelectric Sensors

- LED status indicator
- NEMA rated 4X
- Smaller, compact body saves machine space

Multimode sensor adapts to numerous sensing applications with the touch of a button. M12 and Mini-connector cables are sold separately at Grainger.com®. UL Listed; CSA and CE Certified.



Sensing Method	Circuit Type	Max. Sensing Distance	Power Requirement	Max. Load Current	Mfr. Model	Electrical Connection	Item No.	CONNECTION TYPE	
								Electrical Connection	Item No.
Cylindrical, 18 mm Diameter									
Diffuse	NC, NPN	800 mm	12 to 24V DC	100 mA	XUB5ANBN	2m Cable	32J331	4-Pin M12 Male Connector	32J339
	NC, PNP	800 mm	12 to 24V DC	100 mA	XUB5APBN	2m Cable	32J333	4-Pin M12 Male Connector	32J341
	NPN	800 mm	12 to 24V DC	100 mA	XUB5ANAN	2m Cable	32J330	4-Pin M12 Male Connector	32J338
	PNP	800 mm	12 to 24V DC	100 mA	XUB5APAN	2m Cable	32J332	4-Pin M12 Male Connector	32J340
Retroreflective	NC, NPN	3.0 m	12 to 24V DC	100 mA	XUB9ANBN	2m Cable	32J327	4-Pin M12 Male Connector	32J335
	NC, PNP	3.0 m	12 to 24V DC	100 mA	XUB9APBN	—	—	4-Pin M12 Male Connector	32J337
	NPN	3.0 m	12 to 24V DC	100 mA	XUB9ANAN	2m Cable	32J326	4-Pin M12 Male Connector	32J334
	PNP	3.0 m	12 to 24V DC	100 mA	XUB9APAN	2m Cable	32J328	4-Pin M12 Male Connector	32J336
Rectangular									
Multimode	NO/NC, NPN/PNP	60 m	12 to 24V DC	100 mA	XUX0AKSA	Screw Terminal	4AJ29	4-Pin M12 Male Connector	4AJ36
	NO/NC, Relay	60 m	24 to 240V AC/DC	3,000 mA	XUX0ARCT	Screw Terminal	4AJ46	—	—
Through Beam Transmitter	Transmitter	60 m	12 to 24V DC	—	XUX0AKSAT	Screw Terminal	4AJ32	4-Pin M12 Male Connector	4AJ41
	Transmitter	60 m	24 to 240V AC/DC	3,000 mA	XUX0ARCTT	Screw Terminal	4AJ48	—	—

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