

Q50 SERIES PHOTOELECTRIC SENSOR (12-240VDC/24/240VAC)

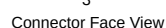
Series		Q50		Q50	
Sensing Mode		Retro-reflective		Retro-reflective (With polarized filter)	
Sensing Schematic					
Sensing Range		10M		6M	
Supply Voltage		12-240VDC / 24-240VAC		12-240VDC / 24-240VAC	
Mains Frequency		50/60Hz		50/60Hz	
Tolerance		±10%		±10%	
Power Consumption		<2.5VA		<2.5VA	
Switching Hysteresis		<10%(Sr)		<10%(Sr)	
Output		Relay SPDT		Relay SPDT	
Max. Output Current		3A/30VAC, 1A/220VAC		3A/30VAC, 1A/220VAC	
Response Time		20ms		20ms	
Start Up Delay		≤300ms		≤300ms	
Emitting Element		Infrared (880nm)		Infrared (880nm)	
Protection Category		IP65		IP65	
Operating Temperature		-25℃ - +55℃		-25℃ - +55℃	
Light Immunity		>10.000Lux		>10.000Lux	
Sensitivity Adjustment		Trimmer 1 turn		Trimmer 1 turn	
Switching Frequency		10 Hz		10 Hz	
Indicator		Yellow LED: output; Green LED: Power Supply		Yellow LED: output; Green LED: Power Supply	
Weight		approx.165 g		approx.165 g	
Housing Material		PBT		PBT	
Sensing Object		D83 Mirror		D83 Mirror	
2m PVC Cable (5.0 ϕ 5x0.25)					
	Retro-reflective	PPQ50-R10MU-E3V2		PPQ50-R6U-E3V2/F	
M12 Connector					
	Retro-reflective	PPQ50-R10MU-E3E4		PPQ50-R6U-E3E4/F	



- Cable Version

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- Technical drawing of the 1000mm x 1000mm x 100mm cabinet showing front, side, and top views with dimensions.
- Front View:** Shows a square cabinet with a width of 50 and a height of 50. The top edge has a 5mm offset from the corner. The bottom edge has a 5mm offset from the corner. A circular hole with a diameter of $\Phi 45$ is located at the bottom center. A diagonal line indicates a cutout or internal structure.
 - Side View:** Shows the cabinet's profile with a width of 18 and a height of 53. The top edge has a 5mm offset from the corner. The bottom edge has a 5mm offset from the corner. A circular hole is located at the bottom center.
 - Top View:** Shows the cabinet's top surface with a width of 18 and a height of 14. The top edge has a 5mm offset from the corner. The bottom edge has a 5mm offset from the corner. A circular hole is located at the bottom center. A diagonal line indicates a cutout or internal structure.

- Cable version



Note: Photoelectric sensor not suitable for use with 90°connectors.