

Q60 SERIES PHOTOELECTRIC SENSOR (10-30VDC)

Series	Q60	Q60	
Sensing Mode	Retro-reflective	Retro-reflective (With polarized filter)	
Sensing Schematic			
Sensing Range	10M	6M	
Supply Voltage	10-30VDC (±10%)	10-30VDC (±10%)	
Absorption At 30VDC	<35mA	<35mA	
Max. Load current	100mA	100mA	
Voltage Drop (Sensor ON)	≤2.0V (I=100mA)	≤2.0V (I=100mA)	
Switching Hysteresis	<10%(Sr)	<10%(Sr)	
Output	PNP or NPN	PNP or NPN	
Output Operation	Light On & Dark On	Light On & Dark On	
Response Time	15ms	15ms	
Start Up Delay	100ms	100ms	
Emitting Element	Infrared (880nm)	Red (660nm)	
Protection Category	IP67	IP67	
Operating Temperature	-25°C - +55°C	-25°C - +55°C	
Light Immunity	>10.000Lux	>10.000Lux	
Sensitivity Adjustment	Trimmer 1 turn	Trimmer 1 turn	
Short Circuit Protection	Yes	Yes	
Reverse Polarity Protection	Yes	Yes	
Indicator	Red LED: output	Red LED: output	
Weight	approx.140 g	approx.140 g	
Housing Material	PBT	PBT	
2m PVC Cable (3.0φ 4x0.15)	NPN Light On or Dark On	PPQ60-R10MN-D1V2	PPQ60-R6N-D1V2/F
	PNP Light On or Dark On	PPQ60-R10MP-D1V2	PPQ60-R6P-D1V2/F
	NPN or PNP Light On or Dark On	PPQ60-R10MD-D1V2	PPQ60-R6D-D1V2/F
M8 Connector	NPN Light On or Dark On	PPQ60-R10MN-D1P4	PPQ60-R6N-D1P4/F
	PNP Light On or Dark On	PPQ60-R10MP-D1P4	PPQ60-R6P-D1P4/F
	NPN or PNP Light On or Dark On	PPQ60-R10MD-D1P4	PPQ60-R6D-D1P4/F

