

Q50 SERIES PHOTOELECTRIC SENSOR (10-30VDC)

Series	Q50	Q50	
Sensing Mode	Through-beam	Through-beam	
Sensing Schematic			
Sensing Range	20M	40M	
Supply Voltage	10-30VDC (±10%)	10-30VDC (±10%)	
Absorption At 30VDC	40mA	40mA	
Max. Load current	200mA	200mA	
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 or Dark On	Light On or Dark On	
Response Time	5ms	5ms	
Start Up Delay	100ms	100ms	
Emitting Element	Infrared (880nm)	Infrared (880nm)	
Protection Category	IP65	IP65	
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	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	
2m PVC Cable (4.0φ 4x0.25)	Emitter	PPQ50-T20ME-H1V2	PPQ50-T40ME-H1V2
	Receiver	PPQ50-T20MD-D1V2	PPQ50-T40MD-D1V2
M12 Connector	Emitter	PPQ50-T20ME-H1E4	PPQ50-T40ME-H1E4
	Receiver	PPQ50-T20MD-D1E4	PPQ50-T40MD-D1E4

