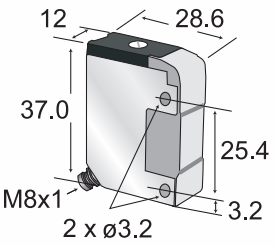
RP32 Series

RP32 Series

Image	Series Description	Modes	Ranges
	Miniature Photoelectric Sensor • Compact & Rugged Design • Stainless Steel and Glass Fiber Reinforced Plastic Housing • Shock & Vibration Resistant	Through Beam	8.5m
		Retroreflective	4m
		Diffuse	400mm
		Clear Object Detection	500mm

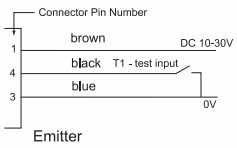
	Through-beam	Diffuse	Retroreflective	Clear Object Detection
Part Numbers				
Emitter	RP32-T8500D-EY6Q4LP			
NPN	RP32-T8500N-CY6Q4UP	RP43-D0400N-CY6Q4UP	RP32-L4000N-CY6Q4UP-PF	RP32-L0500N-CY6Q4UP-PD
PNP	RP32-T8500P-CY6Q4UP	RP43-D0400P-CY6Q4UP	RP32-L4000P-CY6Q4UP-PF	RP32-L0500P-CY6Q4UP-PD
Technical Data				
Operating Range	8.5m (27.8 ft.)	400mm (15.7 in.)	4m (13 ft.)	0.5m (19 in.)
Power Supply	10...30 VDC			
Current Consumption	35mA max.			
Ripple	±10% (within Vs tolerance)			
Light Emission	660nm Infrared LED			
Angle of Divergence	approx. 3.5°	approx. 5.0°	approx. 4.5°	
Light Spot Size	approx. 440mm@7m	40mm@400mm	approx.200mm@2.5m	
Setting	sensitivity trimmer			
Output Voltage	High: PNP: Vs - (≤1.5V); NPN is approx. Vs; Low: PNP is approx. 0V; NPN is ≤1.5V			
Output Current Max.	100mA max., short-circuit protected and over current protected, Vs reverse polarity protected			
Response Time	<15 ms	<2 ms	<0.7 ms	
Switching Frequency	33 Hz	250 Hz	700 Hz	
Connection	M8 4 pin connector - Recommended Mating Cable: Part # C-FS4TZ-V075 (straight), or C-FA4TZ-V075 (right-angle)			
Mechanical Protection	IP67 / NEMA 6			
Housing Material	Stainless Steel / Glass fiber reinforced plastic			
Operating Temp.	-25...+55°C (-13...+131°F)			
Storage Temp.	-40...+70°C (-40...+158°F)			
Reference Standard	EN 60947-5-2			

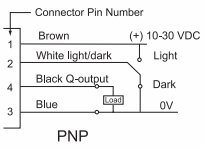
Dimensions

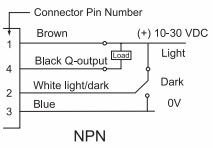


Connections

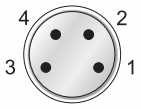
Wires







Pins



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