

Product

CPY Series

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Parameter Online Inquiry

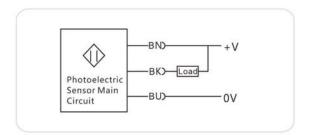
$CPY\ Small\ Rectangular\ Photoelectric\ Sensor$

Specification

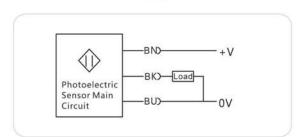
Sensor Type			Through Bea	m Reflection	Polarized Reflection		Diffuse Reflection	
Т	Cable	NPN	CPY-TR40MN3	CPY-TR20MN3	CPY-RMR2MN3	CPY-DR100N3	CPY-DR300N3	CPY-DR1MN3
y		PNP	CPY-TR40MP3	CPY-TR20MP3	CPY-RMR2MP3	CPY-DR100P3	CPY-DR300P3	CPY-DR1MP3
p	M12 Connector	NPN	CPY-TR40MN3-A	CPY-TR20MN3-A	CPY-RMR2MN3-A	CPY-DR100N3-A	CPY-DR300N3-A	CPY-DR1MN3-A
е		or PNP	CPY-TR40MP3-A	CPY-TR20MP3-A	CPY-RMR2MP3-A	CPY-DR100P3-A	CPY-DR300P3-A	CPY-DR1MP3-A
Sensing Distance			40m	20m	2m	100mm	300mm	1m
Spot diameter		ameter	1m distance Spot diameter 100mm					
Standard Detection Object			Opaque object	jects above Φ10mm Opaque objects above Φ75mm White paper:300×300mm				
Return Difference				- Less than 20% of detection distance				
Direction Angle				≤2°				
Light Source (Wavelength)			Red emitting diode (617nm)					
Supply Voltage			DC12-24V±10% Pulsation (P-P) is less than 10% (DC10-30V)					
Consumed Current			Light projection 20mA Light receiving below 25mA Less than 25mA					
Control Output			NPN/PNP, load current below 100mA (residual voltage below 3V when the cable is 2m)					
Action Mode			Light ON(entering light action) / Dark ON(shading action) switches freely					
Indicator			Action indicator (red), stable indicator (green)					
Protection Circuit			Power supply reverse connection protection, surge protection, output reverse connection protection					
Response Time			0.5ms					
Sensitivity Adjustment			Single knob					
Ambient Illumination (Receiver)			Lighting collecting surface illumination incandescent lamp: below 3000lx, sunlight: less than 10000lx					
Ambient Temperature Range			Working: $-25 \sim +55$ °C / Storing: $-25 \sim +65$ °C (no freeze, no dew)					
Ambient Humidity Range			Working: 35~85%RH/ Storing: 35~95%RH (no dew)					
Insulation Resistance			Above 20M Ω (DC500V megger)					
Withstand Voltage			AC 1,000V 50/60Hz 1min between the whole charging part and the shell					
Vik	oration (Durability)	Up and down 1.5mm at 10~55Hz for each 2 hours in X / Y / Z directions					
Impact (Durability)			300m/s² for each 10 times in X / Y / Z directions					
IP Grade			IEC standard IP65 (Note: no knob IP67)					
٧	Weight / Length		About 68g / 2m	About 65g / 2m	About 35g / 2m	,	About 35g / 2m	
	Case Lens / Display Window Cable				PBT			
Mat			PC POM					
	Acces	ssory	Instructions	Instructions, r	eflector		Instructions	



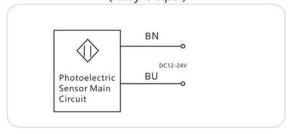
NPN



PNP

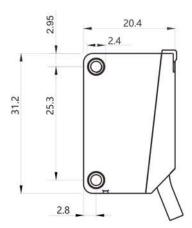


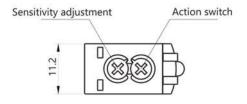
Through Beam Reflection Light Emitter (Relay Output)

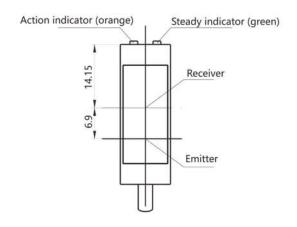


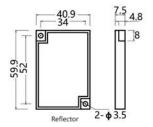
CPY Outline Dimension Diagram

●CPY-RM□□□□/CPY-DR□□□□









Product Description