

U SERIES

U Series

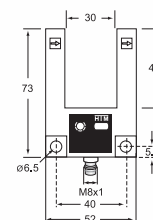
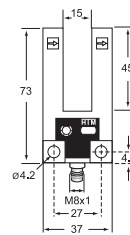
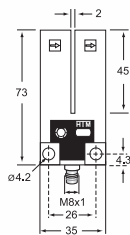
Images



Series Description:	Slot Photoelectric Sensor	Modes	Ranges
		Through Beam	2mm...120mm
<ul style="list-style-type: none"> • 2, 15, 30, 50, 80 and 120mm Widths • High Switching Frequency • Rugged Die-cast Metal Housings 			

Part Numbers

NPN (red LED, 660nm)	U02-T0002N-CY6Q4UP	U15-T0015N-CY6Q4UP	U30-T0030N-CY6Q4UP
PNP (red LED, 660nm)	U02-T0002P-CY6Q4UP	U15-T0015P-CY6Q4UP	U30-T0030P-CY6Q4UP
Slot Spacing	2mm	15mm	30mm
Supply Voltage	10-30 VDC		
Voltage Drop	< 3V		
Rated Isolated Voltage	75 VDC		
Rated Operational Current	200mA		
No-load Supply Current	≤35mA		
Reverse Polarity Protection	Yes		
Short-circuit Protection	Yes		
On/Off Delay	0.2ms		
Operating Frequency	3000Hz		1500Hz
Switching Hysteresis	≤0.1mm		
Resolution	0.3mm		
Repeatability	0.02mm		
Output Function	Light On / Dark On		
Permissible Ambient Light	10 Klx		
Function Indicator	red LED		
Operating Temp.	-10°C to 60°C (14°F to 140°F)		
Mechanical Protection	IP65		
Reference Standard	IEC 60947-5-2		
Housing Material	Die-cast Zinc		
Connection	M8 4 pin connector - Recommended Mating Cable: Part # C-FS4TZ-V075 (straight), or C-FA4TZ-V075 (right-angle)		

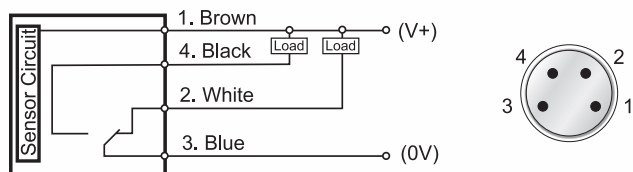


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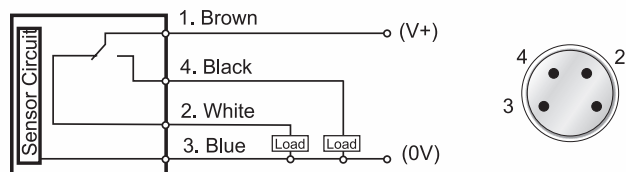
Connections

M8 DC 4-wire NPN - N.O. & N.C.



Black: Light-ON White: Dark-ON

M8 DC 4-wire PNP - N.O. & N.C.



Black: Light-ON White: Dark-ON

Part Numbers

NPN (red LED, 660nm)	U50-T0050N-CY6Q4UP	U80-T0080N-CY6Q4UP	U120-T0120N-CY6Q4UP
PNP (red LED, 660nm)	U50-T0050P-CY6Q4UP	U80-T0080P-CY6Q4UP	U120-T0120P-CY6Q4UP
Slot Spacing	50mm	80mm	120mm
Supply Voltage	10-30 VDC		
Voltage Drop	< 3V		
Rated Isolated Voltage	75 VDC		
Rated Operational Current	200mA		
No-load Supply Current	≤35mA		
Reverse Polarity Protection	Yes		
Short-circuit Protection	Yes		
On/Off Delay	0.2ms	0.33ms	
Operating Frequency	1500Hz		
Switching Hysteresis	≤0.1mm	≤0.2mm	
Resolution	0.5mm		0.8mm
Repeatability	0.04mm	0.06mm	0.08mm
Output Function	Light On / Dark On		
Permissible Ambient Light	10 Kl	5 Kl	
Function Indicator	red LED		
Operating Temp.	-10°C to 60°C (14°F to 140°F)		
Mechanical Protection	IP65		
Reference Standard	IEC 60947-5-2		
Housing Material	Die-cast Zinc		
Connection	M8 4 pin connector - Recommended Mating Cable: Part # C-FS4TZ-V075 (straight), or C-FA4TZ-V075 (right-angle)		

