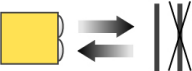


Chemical-Resistant Models

Sensing Mode		Model*	Range	Output
Opposed	640 nm Visible Red	Q126ECR	1.5 m (4.9')	N/A
	Effective Beam: 5.7 mm (0.22") 	Q12AB6RCR		Bipolar LO
		Q12RB6RCR		Bipolar DO
Fixed-Field	Performance based on use of 90% reflectance white test card.			
	640 nm Visible Red 	Q12AB6FF15CR	13 mm (0.5") cutoff; 8 mm (0.3") focus	Bipolar LO
		Q12RB6FF15CR		Bipolar DO
		Q12AB6FF30CR	28 mm (1.1") cutoff; 14 mm (0.6") focus	Bipolar LO
		Q12RB6FF30CR		Bipolar DO
		Q12AB6FF50CR	48 mm (1.9") cutoff; 14 mm (0.6") focus	Bipolar LO
		Q12RB6FF50CR		Bipolar DO

*Only standard 2 m (6.5') cables are available for chemical-resistant models.

Indicator Features

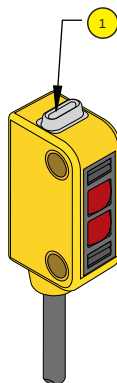


Figure 1. Features

- 1. Yellow and Green LEDs
- Green ON steady: power to sensor is ON
- Green flashing: output is overloaded
- Yellow ON steady: received signal
- Yellow flashing: marginal signal

Chemical-Resistant models: LEDs are visible through translucent PFA jacket. Rated to 1200 psi washdown.

Specifications

Feature	Description
Sensing Beam	640 nm visible red
Supply Voltage and Current	10 to 30V dc (10% max. ripple) @ 20 mA max current
Supply Protection Circuitry	Protected against reverse polarity and transient voltages
Output Configuration	Bipolar (1 NPN and 1 PNP) solid-state output or Single output (PNP or NPN), LO or DO, depending on model
Output Ratings	50 mA total across all output(s) with overload and short circuit protection
	OFF-state leakage current: NPN: 200 μ A PNP: 10 μ A
	ON-state saturation voltage: NPN: 1.25V @ 50 mA PNP: 1.45V @ 50 mA
Output Protection Circuitry	Protected against false pulse on power-up, short-circuit protected
Output Response Time	Opposed Mode: 1.3 ms ON; 900 μ s OFF
	All Other Modes: 700 μ s ON/OFF
	NOTE: 120 ms delay on power-up; outputs do not conduct during this time.
Repeatability	175 microseconds
Switching Frequency	Opposed Mode: 385 Hz
	All Other Modes: 715 Hz
Indicators	One Yellow and one Green LED (see Figure 1)
Construction	Polarized Retro Models: Thermoplastic elastomer housing with glass lens
	All Other Standard Models: Thermoplastic elastomer housing with polycarbonate lens
	Chemical-Resistant Models: Housing encased in PFA jacket; cable encased in 3/16" O.D. PFA tubing
Environmental Rating	Standard Models: IEC IP67
	Chemical-Resistant Models: IEC IP67 (NEMA6) and PW12 1200 psi washdown per NEMA ICS5, Annex F-2002
Connections	Standard Models: 2 m (6.5') or 9 m (30') attached PVC cable, or 150 mm (6") pigtail with M8 or M12 threaded connection
	Chemical-Resistant Models: 2 m (6.5') cable encased in 3/16" O.D. PFA tubing
Operating Conditions	Operating temperature: -20° to +55° C (-4° to +131° F)
	Storage temperature: -30° to +75° C (-22° to +167° F)
	Relative humidity: 95% max @ +50° C (+122° F) non-condensing
Certifications	 