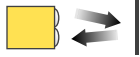
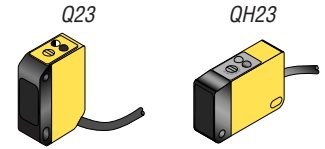


# Q23 and QH23 Series



Visible red, 680 nm

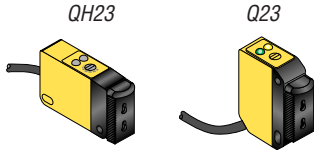


Q23 & QH23 Convergent						
Models	Focus	Cable	Supply Voltage	Output Type	Excess Gain	Beam Pattern
<b>Q23SN6CV50</b> <b>QH23SN6CV50</b> <b>Q23SN6CV50Q</b> <b>QH23SN6CV50Q</b>	50 mm (2 in)	2 m (6.5 ft) 2 m (6.5 ft) 4-Pin Pico QD 4-Pin Pico QD	10-30V dc	Complementary Solid-state NPN		
<b>Q23SP6CV50</b> <b>QH23SP6CV50</b> <b>Q23SP6CV50Q</b> <b>QH23SP6CV50Q</b>		2 m (6.5 ft) 2 m (6.5 ft) 4-Pin Pico QD 4-Pin Pico QD		Complementary Solid-state PNP		

**For All Q23 & QH23 Sensors:**

- i) 9 m (30 ft) cables are available by adding suffix “W/30” to the model number of any cabled sensor (e.g. - Q23SN6LP W/30)
- ii) All Q23 QD models have a 4-pin pico-style connector on a 150 mm (6 in) cable pigtail.
- iii) A model with a QD connector requires an optional mating cable. See Accessories for more information.

# Q23 and QH23 Series



Visible red, 680 nm

Q23 & QH23 Plastic Fiber Optic						
Models	Range	Cable	Supply Voltage	Output Type	Excess Gain	Beam Pattern
					Diffuse mode performance based on 90% reflectance white test card	
<b>Standard Speed: 1 ms Response</b>						
<b>Q23SN6FP</b> <b>QH23SN6FP</b> <b>Q23SN6FPQ</b> <b>QH23SN6FPQ</b>	Range varies by sensing mode and fiber optics used	2 m (6.5 ft) 2 m (6.5 ft) 4-Pin Pico QD 4-Pin Pico QD	10-30V dc	Complementary Solid-state NPN		
<b>Q23SP6FP</b> <b>QH23SP6FP</b> <b>Q23SP6FPQ</b> <b>QH23SP6FPQ</b>		2 m (6.5 ft) 2 m (6.5 ft) 4-Pin Pico QD 4-Pin Pico QD		Complementary Solid-state PNP		
<b>High Speed: 100 µs Response</b>						
<b>Q23SN6FPY</b> <b>QH23SN6FPY</b> <b>Q23SN6FPYQ</b> <b>QH23SN6FPYQ</b>	Range varies by sensing mode and fiber optics used	2 m (6.5 ft) 2 m (6.5 ft) 4-Pin Pico QD 4-Pin Pico QD	10-30V dc	Complementary Solid-state NPN		
<b>Q23SP6FPY</b> <b>QH23SP6FPY</b> <b>Q23SP6FPYQ</b> <b>QH23SP6FPYQ</b>		2 m (6.5 ft) 2 m (6.5 ft) 4-Pin Pico QD 4-Pin Pico QD		Complementary Solid-state PNP		

## For Q23 Plastic Fiber Sensing Mode:

- i) The opposed range of Q23FP sensors using 1 mm (0.4 in) plastic fibers may be extended using optional lens pairs. A pair of model L2 lenses extends the opposed range to 2 m (80 in). A pair of model L08FP lenses extends opposed range to 3 m (10 ft). See the photoelectric sensors catalog for lens details.
- ii) Diffuse mode sensing with Q23FPY models is generally not recommended due to low excess gain. If in doubt about sensing performance, contact the factory Application Engineering Department or your local Banner Sales Engineer to discuss diffuse mode applications.