

Q20-2 Compact Polarized Retroreflective Sensors



Reliable Sensing for Simpler Machine Design and Faster Installation

- Best-in-class optical-to-mechanical alignment is up to five times more consistent than other sensors on the market
- Designed to be easy to install, align, and adjust
- Detects targets regardless of color, texture, and reflectivity up to five meters



Compact Sensor with Precision Alignment



Simplifies Machine Design

- Best-in-class boresighting ensures the beam spot hits exactly where it's expected
- Compact rectangular housing with 25.4 mm (1 in.) mounting-hole spacing

Fast Installation

- The small, bright spot makes it easy to align with the reflector
- Power is only needed on one side of the machine

Reduces Maintenance Costs

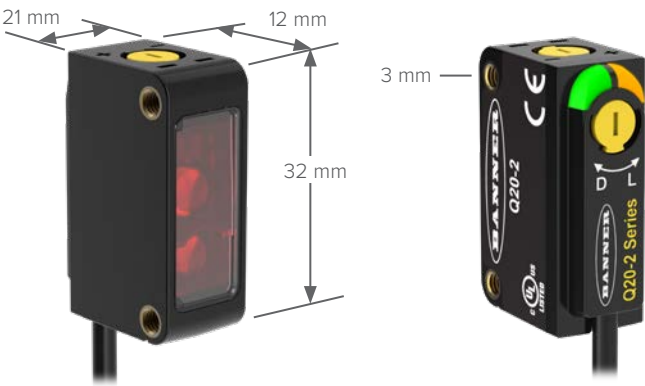
- Quickly replace an existing sensor with minimal time or effort
- Adjustments can be made with an onboard potentiometer and an LO/DO switch

Q20-2 Series Compact Sensors

Family	Output Logic	Output Type	Sensing Mode	—	Connector
Q20-2		P	LP	—	2M
Blank = LO/DO switch		N = NPN P = PNP	LP = Polar retro	2M = 2 m integral cable Q = 4-pin M8 pigtail quick disconnect	Q3 = 3-pin M8 pigtail quick disconnect Q5 = 4-pin M12 pigtail quick disconnect

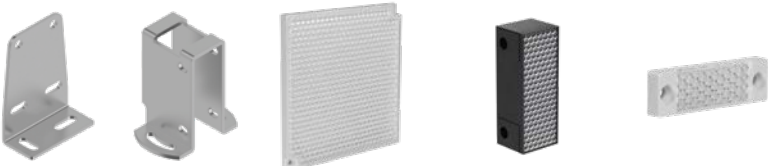
QD models require mating cordset

Specifications



Power	10 to 30 V DC
Range	5 m with BRT-92X92C
Output Response	600µs on/off
Operating Conditions	–25 to +70 °C
Repeatability	144µs
Environmental Rating	IP67
Construction	Housing: ABS Lens: PMMA
Certifications	

Accessories



SMBQ20L SMBQ20U BRT-92X92C BRT-33X13ABCM3 BRT-40X19A

	M12 Straight Connector models listed; for right-angle, add RA to the end of the model number (example, MQDEC2-406RA)	MQDC-406 2 m (6.5') MQDC-415 5 m (15') MQDC-430 9 m (30')
	M8 Straight Connector models listed; for right-angle, replace G with W in the model number (example, PKW3M-2)	PKG3M-2 2 m (6.5') PKG3M-5 5 m (15') PKG3M-9 9 m (30')

