

Q20-2 Series



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

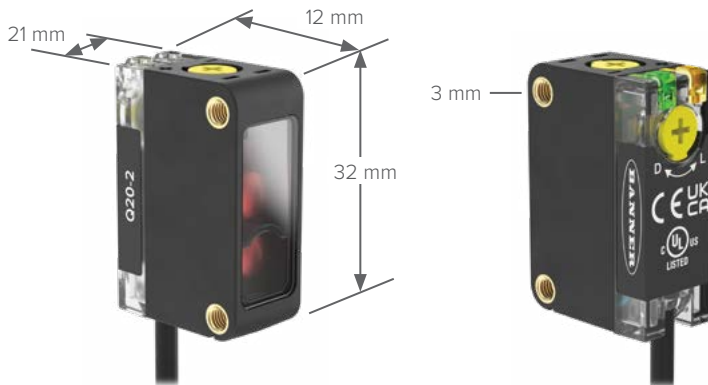
Reduces Maintenance Costs

- 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

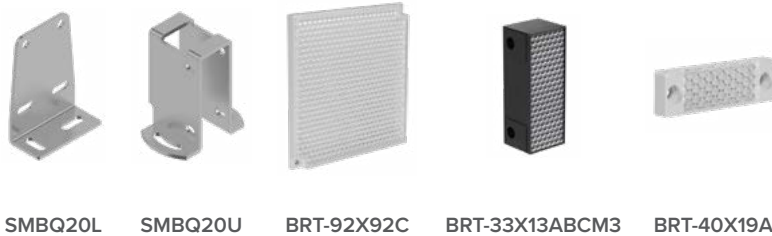
Family	Output Logic	Output Type	Sensing Mode	—	Connector
Q20-2	<input type="checkbox"/>	P	LP	—	2M
Blank = LO/DO switch		N = NPN P = PNP	LP = Polar retro	2M = 2 m integral cable Q = 4-pin M8 pigtail quick disconnect	Q3 = 3-pin M8 pigtail quick disconnect Q5 = 4-pin M12 pigtail quick disconnect
<small>*No LO/DO switch All models require a reflector</small>				<small>QD models require mating cordset</small>	

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



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')



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