Q20-2 Compact Polarized Retroreflective Sensors

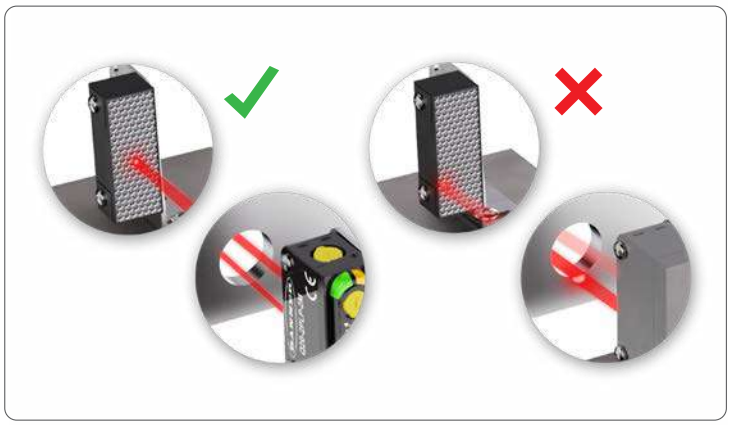


Reliable Sensing for Simpler Machine Design and Faster Installation

- 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

BANNER®

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

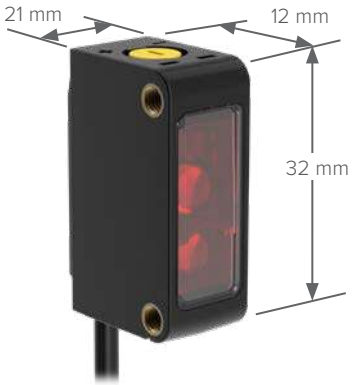
Q20-2 Series Compact Sensors

Family	Output Logic	Output Type	Sensing Mode		Connector
Q20-2		**P**	**LP**	–	**2M**

- Output Logic: **Blank** = LO/DO switch
- Output Type: **N** = NPN; **P** = PNP
- Sensing Mode: **LP** = Polar retro
- Connector: **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	CE cULus

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')

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