



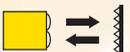
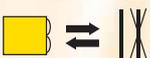
Q12 Miniature Sensor

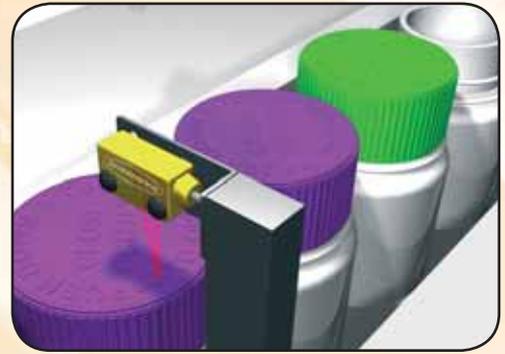
- Powerful sensors suitable for extremely confined areas
- Opposed, retro-reflective (polarised & non-polarised) and fixed-field sensing modes
- Precise cutoff background-suppression available in three fixed-field models
- Rated IP67 for use in the widest range of locations and applications
- Overmoulded design provides enhanced durability and shielding
- Robust metal-lined mounts with standardised location on all models
- Mounting flexibility directly on and inside manufacturing equipment
- Solid-state bipolar outputs (PNP and NPN)



WORLD-BEAM® Q12

**Powerful sensing performance
in a universal miniature housing!**

Mode	Model and Range
Opposed 	Type E/R: 2 m
Polarised Retro 	Type LP: 1 m
Retro-Reflective 	Type LV: 1,5 m
Fixed-Field 	Type FF15: 15 mm cutoff, 10 mm focus Type FF30: 30 mm cutoff, 16 mm focus Type FF50: 50 mm cutoff, 16 mm focus



Typical application in fixed-field sensing mode: Cap inspection



Typical application in opposed sensing mode: Detection of passing objects

Rugged sealed housing and protected circuitry

Robust metal-lined mounts

Supplied with 2 m cable or 150 mm pigtail cable with M8 or M12 QD connector



Powerful LED operating status indicators visible from 360°



Banner Engineering offers the industry a highly complete and integrated line of photoelectric sensors, ultrasonic sensors, machine safety products, measurement & inspection products and vision sensors.

Banner Engineering is a US based company with subsidiaries around the world for global sales and support.

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