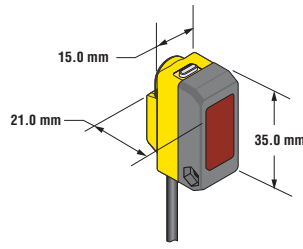
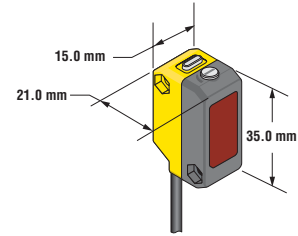


WORLD-BEAM® QS18 Sensors

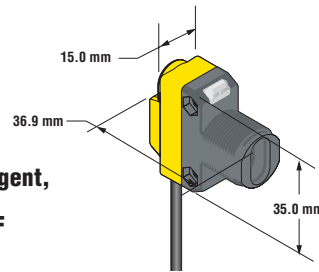
- Optional 18 mm threaded lens mount on some models
- A variety of cable and connector options
- Rugged sealed housing, protected circuitry
- Bright LED operating status indicators visible from 360°



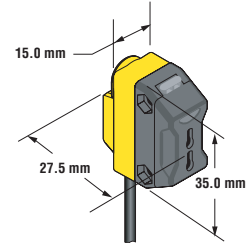
Opposed and Diffuse Models
Suffix EB, RB, DB and W



Adjustable-field Models
Suffix AF100 and LAF



Glass Fiber Models
Suffix F



Plastic Fiber Models
Suffix FP

Opposed, Retroreflective, Laser Retroreflective, Convergent, Diffuse, Laser Diffuse and Fixed-field Models
Suffix E, R, LV, LP, LLP, CV15, CV45, D, LD, LE and FF



WORLD-BEAM® QS18, 10-30V dc

Models	Sensing Mode/LED*	Range	Cable**	Output Type	Excess Gain	Beam Pattern	Data Sheet
QS186E Emitter QS186EQ8 Emitter	<p>OPPOSED</p>	20 m	2 m 4-pin Euro QD	—	EGCO-8 (p. 428)	BPO-8 (p. 450)	63908
QS18VN6R QS18VN6RQ8			2 m 4-pin Euro QD	NPN			
QS18VP6R QS18VP6RQ8			2 m 4-pin Euro QD	PNP			
QS186EB Emitter QS186EBQ8 Emitter		3 m	2 m 4-pin Euro QD	—	EGCO-9 (p. 428)	BPO-9 (p. 450)	
QS18VN6RB QS18VN6RBQ8			2 m 4-pin Euro QD	NPN			
QS18VP6RB QS18VP6RBQ8			2 m 4-pin Euro QD	PNP			

* Infrared LED

** For 9 m cable, add suffix **W/30** to the 2 m model number (example, **QS186E W/30**). A model with a QD requires a mating cable (see pages 378 and 380).

QD models:

- For 4-pin integral Euro-style QD, add suffix **Q8** (example, **QS186EQ8**).
- For 4-pin integral Pico-style QD, add suffix **Q7** (example, **QS186EQ7**).

- For 4-pin 150 mm Euro-style pigtail, add suffix **Q5** (example, **QS186EQ5**).
- For 4-pin 150 mm Pico-style pigtail, add suffix **Q** (example, **QS186EQ**).

WORLD-BEAM® QS18, 10-30V dc (cont'd)



Models	Sensing Mode/LED*	Range	Cable**	Output Type	Excess Gain	Beam Pattern	Data Sheet
QS186LE*** QS186LEQ8***	LASER EMITTER	15 m (4500 X excess gain)	2 m 4-pin Euro QD	—	See Data sheet for more information.		109415
QS186LE10 QS186LE10Q8	LASER SPOT 	See Data sheet for more information.	2 m 4-pin Euro QD				
QS186LE11 QS186LE11Q8	LASER SPOT 		2 m 4-pin Euro QD				
QS186LE12 QS186LE12Q8	LASER SPOT 		2 m 4-pin Euro QD				
QS186LE14 QS186LE14Q8	LASER SPOT 		2 m 4-pin Euro QD				
QS18VN6LV QS18VN6LVQ8	RETRO	6.5 m†	2 m 4-pin Euro QD				
QS18VP6LV QS18VP6LVQ8			2 m 4-pin Euro QD	PNP			
QS18VN6LP QS18VN6LPQ8	POLAR RETRO	3.5 m†	2 m 4-pin Euro QD	NPN	EGCR-8 (p. 431)	BPR-8 (p. 453)	
QS18VP6LP QS18VP6LPQ8			2 m 4-pin Euro QD	PNP			
QS18VN6LLP QS18VN6LLPQ8	LASER POLAR RETRO	10 m††	2 m 4-pin Euro QD	NPN	EGCR-9 (p. 431)	—	118900
QS18VP6LLP QS18VP6LLPQ8			2 m 4-pin Euro QD	PNP			
QS18VN6CV15 QS18VN6CV15Q8	CONVERGENT	16 mm	2 m 4-pin Euro QD	NPN	EGCC-9 (p. 437)	BPC-9 (p. 459)	63908
QS18VP6CV15 QS18VP6CV15Q8			2 m 4-pin Euro QD	PNP			
QS18VN6CV45 QS18VN6CV45Q8		43 mm	2 m 4-pin Euro QD	NPN	EGCC-10 (p. 437)	BPC-10 (p. 459)	
QS18VP6CV45 QS18VP6CV45Q8			2 m 4-pin Euro QD	PNP			

* Visible Red LED Visible Red Laser

** For 9 m cable, add suffix **W/30** to the 2 m model number (example, **QS18VN6LV W/30**). A model with a QD requires a mating cable (see pages 378 and 380).
QD models (except Laser Emitters):

- For 4-pin integral Euro-style QD, add suffix **Q8** (example, **QS18VN6LVQ8**).
- For 4-pin integral Pico-style QD, add suffix **Q7** (example, **QS18VN6LVQ7**).
- For 4-pin 150 mm Euro-style pigtail, add suffix **Q5** (example, **QS18VN6LVQ5**).
- For 4-pin 150 mm Pico-style pigtail, add suffix **Q** (example, **QS18VN6LVQ**).

*** Specified with QS18 threaded lens receiver. Not recommended for dusty or dirty environments; the scattered light would greatly reduce excess gain.

† Retroreflective range is specified using one model BRT-84 retroreflector. Actual sensing range may differ, depending on the efficiency and reflective area of the retroreflector used. See Accessories for more information.

†† Retroreflective range is specified using one model BRT-51X51BM or BXT-TVHG-2X2 retroreflector. Actual sensing range may differ, depending on the efficiency and reflective area of the retroreflector used. See Accessories for more information.