



## QS18 photoelectric sensor

- Complete range
- High performance
- Competitive price
- Easy installation
- Easy diagnostics
- Resistant to harsh environments
- M12 connector
- Many accessories
- Easy set-up



# QS18

**A universal sensor with  
simplified set-up!**



### Easy set-up

- Potentiometer or Teach Function for *Expert* version
- Easy adjustment featuring a specially moulded stop which prevents over-adjustment damage; no extra tools needed

### Easy diagnostics

- Bright LED operating status indicators which are visible from 360° show: power ON, output overloaded, active output and marginal sensing conditions

### Easy Installation

- Models available with or without 18 mm threaded "nose"
- Side mounting

### Rugged sealed housing

- Polycarbonate/ABS housing, rated IEC IP67
- High optical-quality acrylic lens which resists harsh environments

### Connections (model dependant)

- 2 m or 9 m 4-wire PVC cable, integral 4-pin Pico- (M8) or Euro-style (M12) connector, 4-pin Pico- (M8) or Euro-style (M12) 150 mm pigtail QD
- Solid-state complementary (SPDT): NPN or PNP output, model dependant



Mode	Models and Ranges
Opposed	<b>Type E/R</b> : 20 m <b>Type EB/RB</b> : 3 m
Retro (polarised)	<b>Type LP</b> : 3,5 m
Laser Retro (polarised)	<b>Type LLP</b> : 10 m with BRT-36X40BM
Retro (non-polarised)	<b>Type LV</b> : 6,5 m
Convergent	<b>Type CV15</b> : 16 mm <b>Type CV45</b> : 43 mm
Diffuse	<b>Type D and DB</b> : 450 mm
Laser Diffuse	<b>Type LD</b> : 300 mm
Divergent	<b>Type W</b> : 100 mm
Background Suppression	<b>Type FF50</b> : 50 mm (fixed) <b>Type FF100</b> : 100 mm (fixed) <b>Type AF100</b> : 100 mm (adj.)
Fibres	<b>Type FP</b> : plastic fibres <b>Type F</b> : glass fibres
Laser Emitters	<ul style="list-style-type: none"> <li>• <b>Type LE</b> : Emitter</li> <li>○ <b>Type LE10</b> : Rounded beam shape</li> <li>  <b>Type LE11</b> : Vertical beam shape</li> <li>— <b>Type LE12</b> : Horizontal beam shape</li> <li>+ <b>Type LE14</b> : Crossed beam shape</li> </ul>

### Mounting brackets:

SMBQS18A	SMBQS18AF	SMBQS18Y	SMB3018SC	SMB18A	SMB312S

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