Photoelectric Sensor
laser emitter
QS186LEQ8

- Male M12 x 1, 4-pin
- Protection class IP67
- LED all-round visible
- Male M12 x 1
- Laser class 1

Wiring Diagram

Functional principle
Opposed mode sensors consist of an emitter and a receiver. They are installed opposite to each other whereby the emitted light aims directly at the receiver. When an object interrupts or weakens the light beam, the sensor switches. Opposed mode sensors are the most reliable photoelectric sensors for detection of opaque objects. The high light/dark contrast and the very high excess gain are typical for this function mode and enable operation over large distances and under difficult conditions.

Activation
By connecting the control input (PIN 2 WH) to ground (-) the laser beam is turned on. The laser beam is turned off again by feeding 10 ... 30 VDC to the control input or by non-connecting the wire.

Excess gain curve
Excess gain in relation to the distance (type 6EB/RB)
## Accessories

<table>
<thead>
<tr>
<th>Type code</th>
<th>Ident no.</th>
<th>Description</th>
<th>Dimension drawing</th>
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<tr>
<td>SMB18A</td>
<td>3033200</td>
<td>Mounting bracket, rectangular, stainless steel, for sensors with 18 mm thread</td>
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<tr>
<td>SMB18AFAM10</td>
<td>3012558</td>
<td>Mounting bracket, material VA 1.4401, for M10 x 1.5 thread, thread length 18 mm</td>
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<td>SMBQS18A</td>
<td>3069721</td>
<td>Mounting bracket, stainless steel, for 18 mm thread</td>
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<td>SMB18SF</td>
<td>3052519</td>
<td>Mounting bracket, PBT black, for sensors with 18 mm thread, rotatable</td>
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