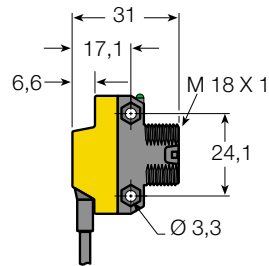


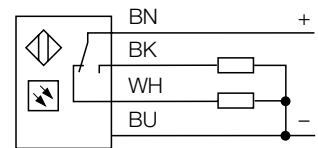
## Photoelectric sensor

### QS18VP6R



- Opposed mode (receiver)
- Cable, 2 m

#### Wiring diagram

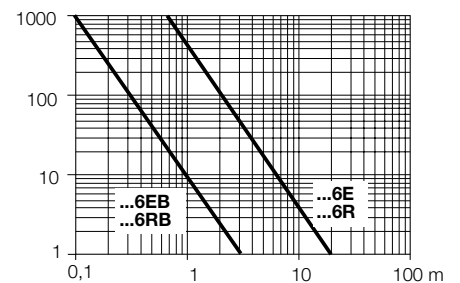


#### Function principles

Opposed mode sensors have separate emitter and receiver housings. The sensors are positioned opposite each other and a light beam established between them. An object is detected by interrupting this beam. Opposed mode sensing will always result in the most reliable photoelectric sensing system as long as the object to be detected is opaque to light. Opposed mode sensing is the most efficient sensing mode and offers the highest levels of optical energy to overcome lens contamination and sensor misalignment or to achieve long sensing ranges.

#### Excess gain curve

Excess gain in relation to the distance



<b>Type</b>	QS18VP6R
Ident-No.	3061624
<b>Max. Erfassungsbereich</b>	20,0 m
Operating mode	Opposed mode (Receiver)
<b>Rated operational voltage (DC) <math>U_e</math></b>	10...30 VDC
Rated operational current (DC) $I_e$	100 mA
Short-circuit protection	yes
Reverse polarity protection	yes
Output function	PNP
Max. switch-on delay	≤100 ms
Degree of protection	IP 67
Operation temperature	-20...70 °C
<b>Housing style</b>	rectangular; QS18
Housing material	Plastic; Polycarbonat/ABS
Wiring	Cable; PVC
Cable length	2,0 m
Cross section	4 x 0,8 mm <sup>2</sup>
<b>Supply voltage indication</b>	LED; green
Switching status indication	LED; yellow
Error indication	LED; green flashing