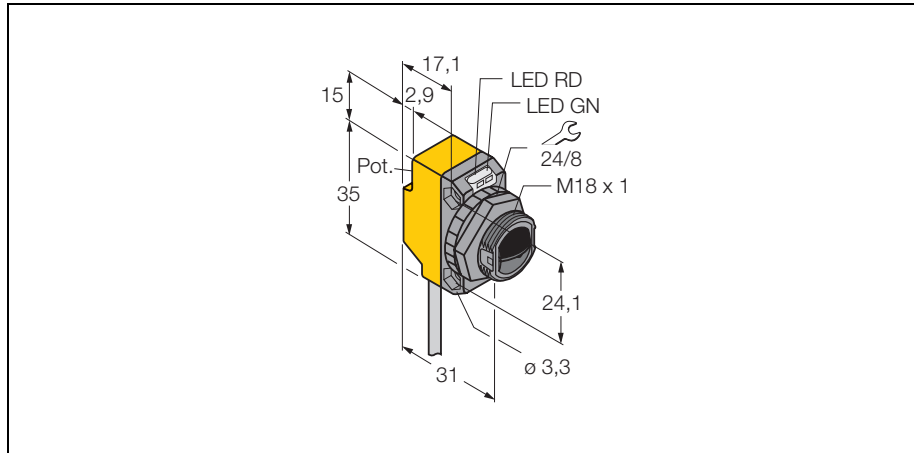
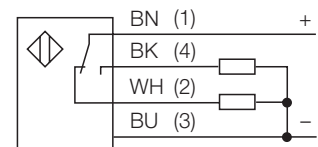


## Photoelectric sensor Retro-reflective sensor with polarizing filter QS18VP6LP



- compact housing
- rectangular
- alarm function
- LED 360° visible
- Cable, 2 m
- 

### Wiring diagram

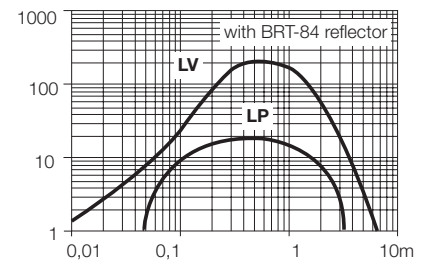


### Function principles

Retro-reflective mode sensors combine both the emitter and receiver into a single housing. The light beam from the emitter is bounced back to the receiver from a special retro-reflective target. An object is detected by interrupting this beam. Retro-reflective mode sensors have some advantages of opposed mode sensors (a good contrast and a large excess gain). Moreover, only one sensor housing has to be installed and wired. A disadvantage in comparison to opposed mode sensors is the lower sensing distance and possible faulty detections caused by highly reflective objects when using non-polarised sensors.

### Excess gain curve

Excess gain in relation to the distance (type LP)



<b>Type</b>	QS18VP6LP
Ident-No.	3061630
<b>Type of light</b>	rot
Wave length	660 nm
Range	≤ 3,5 m
<b>Rated operational voltage (DC) <math>U_B</math></b>	10... 30 VDC
Rated operational current (DC) $I_e$	≤ 100 mA
No-load current $I_0$	≤ 32 mA
Short-circuit protection	yes, cyclic
Reverse polarity protection	yes
Output function	normally open / normally closed, PNP
Max. switching frequency	≤ 0,8 kHz
Max. switch-on delay	≤ 100 ms
Degree of protection	IP67
Operation temperature	-20...+ 70 °C
<b>Housing style</b>	rectangular; QS18
Housing material	plastic, ABS
Wiring	cable, PVC
Cable length	2 m
Cable 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 flash
Alarm indication	LED yellow flash