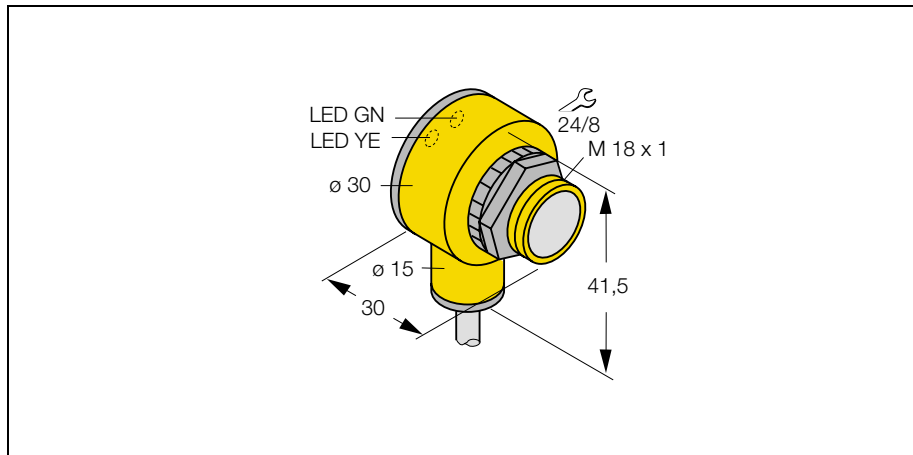


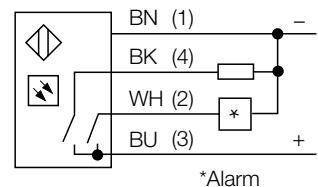
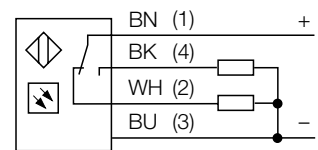
## Photoelectric sensor

### T18-SP6-LP



- Retro-reflective sensor with polarising filter
- Cable, 2 m

#### Wiring diagram

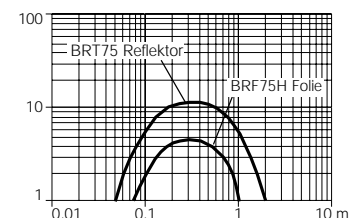


#### Function principles

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 is the most popular mode for conveyor applications where the objects are large boxes, cartons etc.

#### Excess gain curve

Excess gain in relation to the distance



<b>Type</b>	T18-SP6-LP
Ident-No.	3464000
<b>Max. Erfassungsbereich</b>	2,0 m
Operating mode	Retro-reflective sensor with polarising filter
Type of light	red
Wave length	680 nm
Adjustment variable 1	sensitivity
Adjustment means 1	potentiometer
Adjustment variable 2	light or dark operate or light operate and alarm
Adjustment means 2	output programmable
<b>Rated operational voltage (DC) <math>U_e</math></b>	10...30 VDC
Rated operational current (DC) $I_e$	150 mA
No-load current $I_0$	≤ 30,0 mA
Short-circuit protection	yes, cyclic
Reverse polarity protection	yes
Output function	complementary outputs/normally open, PNP
Max. switching frequency	≤ 0,16 kHz
Max. switch-on delay	≤ 100 ms
Overload trip point	> 220 mA
Degree of protection	IP 67
Operation temperature	-40...70 °C
<b>Housing style</b>	cylindric, thread; T18
Dimensions	41,5 x 30,0 mm
Housing material	Plastic; PBT
Lens	acrylic
Wiring	Cable: PVC
Cable length	2,0 m
Cross section	4 x 0,5 mm <sup>2</sup>
<b>Supply voltage indication</b>	LED: green
Switching status indication	LED: yellow
Error indication	LED: green flashing
Alarmausgang	LED: yellow flashing