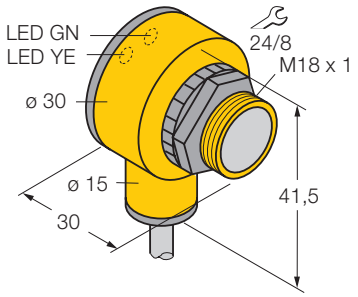
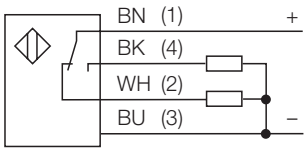
Photoelectric sensor
retro-reflective sensor
T18SP6L

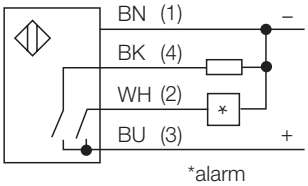


Type	T18SP6L
Ident-No.	3472100
Operating mode	Retro-reflective sensor
Type of light	IR
Wave length	950 nm
Operating temperature	-40 ...+ 70 °C
Rated operational voltage (DC) U_B	10... 30 VDC
Rated operational current (DC) I_e	≤ 150 mA
No-load current I_0	≤ 25 mA
Short-circuit protection	yes, cyclic
Reverse polarity protection	yes
Output function	connection programmable, PNP
Switching frequency	≤ 160 Hz
Max. switch-on delay	≤ 100 ms
Overload trip point	>220 mA
Housing style	cylindrical/thread; T18
Dimensions	30 x 30 x 41,5 mm
Housing material	plastic, PBT
Lens	Plastic, Acryl
Wiring	cable
Cable length	2 m
Cable cross section	4 x 0,5 mm^2
Degree of protection	IP68 - IP69K
Supply voltage indication	LED green
Switching status indication	LED yellow
Error indication	LED green flashing
Alarm indication	LED yellow flashing

- **selectable light or dark operation or light operation with alarm function**
- **sensitivity adjustable via potentiometer**
- **cable, 2 m**
- **operational voltage 10..0.30 VDC**
- **degree of protection IP69K**

Wiring diagram





*alarm

With retro-reflective sensors, emitter and receiver are incorporated in one compact housing. The light beam of the emitter is directed towards a reflector which returns the light back to the receiver. An object is detected when it interrupts this beam. Retro-reflective sensors have a high function gain and good contrast performance. Further it is merely required to install and wire a single device.

Excess gain curve

Excess gain in relation to the distance

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