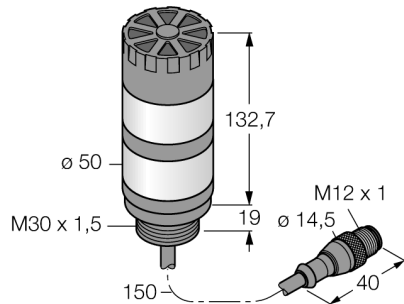
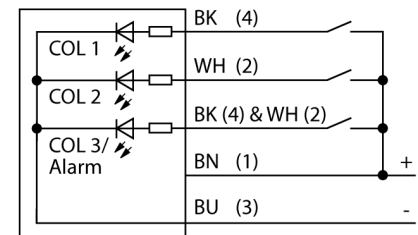


LED Signal Light Tower Light TL50GRA6PQPMA



- Plastic housing, black
- EMI and RFI immune
- Protection class IP50
- Cable with male end M12 x 1, 150 mm
- Multicolor: Green (COL 1) / Red (COL 2)
- Operating voltage: 18...30 VDC or 24 VAC
- Integrated microcontroller
- Compatible with IO block
- Activation of the 3 segments via pin 2 and 4
- Inputs: PNP/NPN
- Beeper max. 92 dB

Wiring Diagram



Functional principle

The TL50 tower lights provide highly visible status indicators and a clear user guidance within the entire system. They can be assembled from varicolored LEDs and are available with or without beeper. You can mount them directly on machines, in the cabinet or in monitoring locations of production lines.

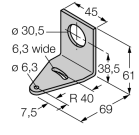
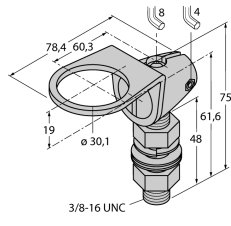
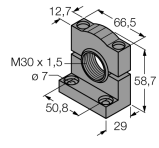
The wiring diagram shows a PNP pin assignment.

There are 10 colors available blue (B), green (G), red (R), yellow (Y), white (W), turquoise (T), orange (O), violet (V), sky blue (S) and magenta (M), which specify the light sequence from bottom to top in the type code of the tower light. Example: TL50GYRQ, colors green, yellow and red arranged from bottom to top.

	PIN 4 (BK)	PIN 2 (WH)
COL 1	•	
COL2		•
COL3/Alarm	•	•

Type	TL50GRA6PQPMA
ID	3011171
Signal and display data	
Purpose	LED indicator light
Function	Tower light
Light type	Green Red
Dimmable	No
Features of color 1	Green, Permanently on, 23 lm
Features of color 2	Red, Permanently on, 7.5 lm
Acoustic signal	Continuous tone, 92dB
Special features	I/O module-compatible
Electrical data	
Operating voltage U_s	18...30 VDC
DC rated operating current I_s	≤ 45 mA
Operating voltage U_s	21...27VAC
Max. current consumption per color	45 mA
Max. current consumption of beeper	25 mA
Input type	PNP
Response time typical	< 10 ms
Mechanical data	
Cascadable	No
Design	Smooth barrel, TL50
Dimensions	Ø 50 x 151.7 mm
Housing material	Plastic, ABS, Black
Window material	Polycarbonate, diffuse
Electrical connection	Cable with connector, M12 x 1, 0.15 m, PUR
Number of cores	4
Ambient temperature	-20...+50 °C
Relative humidity	0...95%
Protection class	IP50
Tests/approvals	
Approvals	CE, UL listed

Accessories

Type code	Ident no.		Dimension drawing
SMB30A	3032723	Mounting bracket, rectangular, stainless steel, for sensors with 30mm thread	 Technical drawing of the SMB30A mounting bracket. It is a rectangular stainless steel bracket for sensors with a 30mm thread. Dimensions include: overall width 45, mounting hole diameter $\varnothing 30,5$, bracket width 6,3, hole diameter $\varnothing 6,3$, mounting hole offset 38,5, bracket offset 6,1, mounting hole radius R 40, and bracket thickness 7,5.
SMB30FA	3074005	Montagewinkel; Werkstoff VA 1.4401	 Technical drawing of the SMB30FA mounting angle. It is a 90-degree angle bracket made of VA 1.4401 material. Dimensions include: overall width 78,4, mounting hole diameter $\varnothing 30,1$, mounting hole offset 19, mounting hole radius R 40, mounting hole offset 60,3, mounting hole radius R 40, mounting hole offset 61,6, mounting hole radius R 40, mounting hole offset 48, and mounting hole radius R 40. The thread is 3/8-16 UNC.
SMB30SC	3052521	Mounting bracket, PBT black, for sensors with 30 mm thread, rotatable	 Technical drawing of the SMB30SC mounting bracket. It is a black PBT rotatable mounting bracket for sensors with a 30 mm thread. Dimensions include: overall width 12,7, mounting hole diameter $\varnothing 7$, mounting hole offset 50,8, mounting hole radius R 40, mounting hole offset 58,7, mounting hole radius R 40, mounting hole offset 29, and mounting hole radius R 40.