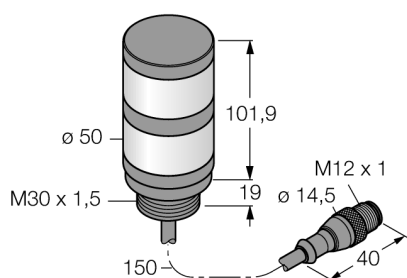


LED Signal Light

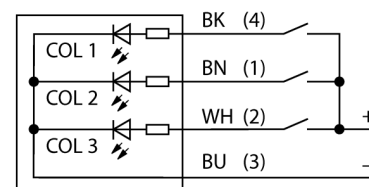
High-intensity Tower Light

TL50HGR1QP



- Plastic housing, black
- EMI and RFI immune
- Protection class IP67
- Cable with male end M12 x 1, 150 mm
- Colors: Green (COL 1) / Red rotating (COL 2)
- Operating voltage: 18...30 VDC or 24 VAC with 45 mA per LED color
- Inputs: PNP/NPN

Wiring Diagram



Functional principle

The TL50H tower lights, in the high-brightness version, provide highly visible status indicators and a clear user guidance within the entire system. They can be assembled from various colored 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 5 colors available, blue (B), green (G), red (R), yellow (Y) and white (W), 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.

Type	TL50HGR1QP
ID	3019827

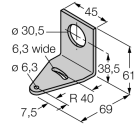
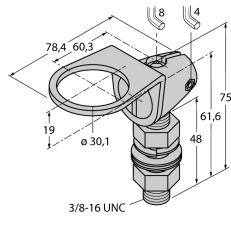
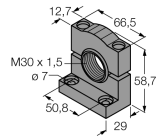
Signal and display data	
Purpose	LED indicator light
Function	Tower light
Light type	Green Red, rotating
Dimmable	No
Features of color 1	Green, Permanently on, 60 lm
Features of color 2	Red, Permanently on, 32 lm

Electrical data	
Operating voltage U_o	18...30 VDC
DC rated operating current I_o	≤ 100 mA
Operating voltage U_a	21...27VAC
AC rated operational current	≤ 100 mA
Max. current consumption per color	100 mA
Input type	Bipolar (PNP/NPN)22
Response time typical	< 10 ms

Mechanical data	
Cascadable	No
Design	Smooth barrel, TL50H
Dimensions	Ø 50 x 120.8 mm
Housing material	Plastic, ABS, Black
Window material	Polycarbonate, diffuse
Electrical connection	Cable with connector, M12 × 1, 0.15 m, PVC
Number of cores	4
Ambient temperature	-40...+50 °C
Relative humidity	0...95%
Protection class	IP67

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: top width 45, top hole diameter $\varnothing 30,5$, top hole offset 6,3 wide, bottom hole diameter $\varnothing 6,3$, bottom hole offset 38,5, bottom hole offset 6,1, bottom width 69, bottom hole diameter $\varnothing 7,5$, and a radius R 40.
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: top width 78,4, top hole diameter $\varnothing 60,3$, top hole offset 1, top hole offset 19, top hole diameter $\varnothing 30,1$, top hole offset 48, top hole offset 61,6, top hole offset 75, top hole offset 3/8-16 UNC, and top hole offset 4.
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: top width 12,7, top hole diameter $\varnothing 66,5$, top hole offset 58,7, top hole offset 29, top hole offset 50,8, top hole offset 7, top hole offset M30 x 1,5, and top hole offset 7.