

TL50GBYRQ

LED Signal Light – Tower Light



Technical data

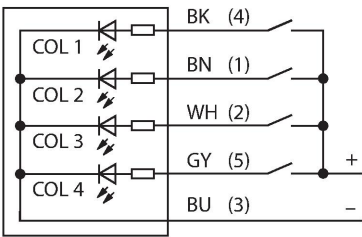
Type	TL50GBYRQ
ID	3010712
Signal and display data	
Purpose	LED indicator light
Function	Tower light
Light type	Green Blue Yellow Red
Dimmable	No
Features of color 1	Green, Permanently on, 23 lm
Features of color 2	Blue, Permanently on, 4.5 lm
Features of color 3	Yellow, Permanently on, 5 lm
Features of color 4	Red, Permanently on, 7.5 lm
Electrical data	
Operating voltage U_B	18...30 VDC
DC rated operating current I_o	≤ 45 mA
Operating voltage U_B	21...27 VAC
AC rated operational current	≤ 45 mA
Max. current consumption per color	45 mA
Input type	Bipolar (PNP/NPN)22
Response time typical	< 10 ms
Mechanical data	
Cascadable	No
Design	Smooth barrel, TL50
Dimensions	Ø 50 x 210.6 mm
Housing material	Plastic, ABS, Black



Features

- Plastic housing, black
- EMI and RFI immune
- Protection class IP67
- M12 × 1 male connector
- Colors: Green (COL 1) / Blue (COL 2) / Yellow (COL 3) / Red (COL 4)
- Operating voltage: 18...30 VDC or 24 VAC with 45 mA per LED color
- Inputs: PNP/NPN

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.

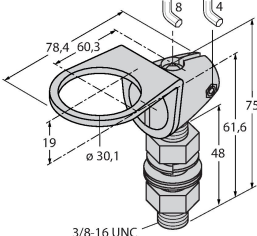
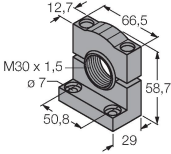
The wiring diagram shows a PNP pin assignment.

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.

Technical data

Window material	Polycarbonate, diffuse
Electrical connection	Connector, M12 × 1, PVC
Number of cores	5
Ambient temperature	-40...+50 °C
Relative humidity	0...95 %
Protection class	IP67
Tests/approvals	
Approvals	CE, UL listed

Accessories

SMB30A	3032723	SMB30FA	3074005
	Mounting bracket, rectangular, stainless steel, for sensors with 30mm thread		Montagewinkel; Werkstoff VA 1.4401
SMB30SC	3052521		
	Mounting bracket, PBT black, for sensors with 30 mm thread, rotatable		

Accessories

Dimension drawing	Type	ID	
	RKC4.5T-2/TEL	6625016	Connection cable, M12 female connector, straight, 5-pin, cable length: 2 m, jacket material: PVC, black; cULus approval
	WKC4.5T-2/TEL	6625028	Connection cable, M12 female connector, angled, 5-pin, cable length: 2 m, jacket material: PVC, black; cULus approval