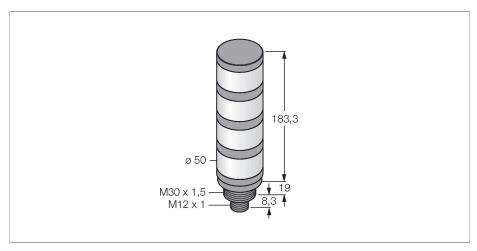


TL50HBGYRQ LED Signal Light – High-intensity Tower Light





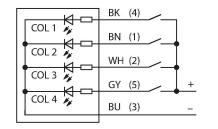
Signal and display data Purpose LED indicator light Function Tower light Light type Blue Green Yellow Red Dimmable No Features of color 1 Blue, Permanently on, 23 Im Features of color 2 Green, Permanently on, 60 Im Features of color 3 Yellow, Permanently on, 23 Im Features of color 4 Red, Permanently on, 32 Im Electrical data Operating voltage U₅ 1830 VDC DC rated operating current I₅ Operating voltage U₀ AC rated operational current ≤ 100 mA Max. current consumption per color Input type Bipolar (PNP/NPN)22 Response time typical Acascadable No Design Smooth barrel, TL50H Dimensions Ø 50 x 210.6 mm Housing material	Туре	TL50HBGYRQ	
Purpose LED indicator light Function Tower light Light type Blue Green Yellow Red Dimmable No Features of color 1 Blue, Permanently on, 23 Im Features of color 2 Green, Permanently on, 60 Im Features of color 3 Yellow, Permanently on, 23 Im Features of color 4 Red, Permanently on, 32 Im Features of color 4 Red, Permanently on, 32 Im Electrical data Operating voltage U _B 1830 VDC DC rated operating current I _B ≤ 100 mA Operating voltage U _B 2127 VAC 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 210.6 mm	ID	3014589	
Function Light type Blue Green Yellow Red Dimmable No Features of color 1 Blue, Permanently on, 23 Im Features of color 2 Green, Permanently on, 60 Im Features of color 3 Yellow, Permanently on, 23 Im Features of color 4 Red, Permanently on, 23 Im Features of color 4 Red, Permanently on, 32 Im Electrical data Operating voltage U _B 1830 VDC DC rated operating current I _B 2127 VAC AC rated operational current △ 100 mA Max. current consumption per color Input type Bipolar (PNP/NPN)22 Response time typical No Design Smooth barrel, TL50H Dimensions Ø 50 x 210.6 mm	Signal and display data		
Light type Blue Green Yellow Red Dimmable No Features of color 1 Blue, Permanently on, 23 Im Features of color 2 Green, Permanently on, 60 Im Features of color 3 Yellow, Permanently on, 23 Im Features of color 4 Red, Permanently on, 32 Im Electrical data Operating voltage U _B 1830 VDC DC rated operating current I _B ≤ 100 mA Operating voltage U _B AC rated operational current ≤ 100 mA Max. current consumption per color Input type Bipolar (PNP/NPN)22 Response time typical No Design Smooth barrel, TL50H Dimensions	Purpose	LED indicator light	
Green Yellow Red Dimmable No Features of color 1 Blue, Permanently on, 23 Im Features of color 2 Green, Permanently on, 60 Im Features of color 3 Yellow, Permanently on, 23 Im Features of color 4 Red, Permanently on, 32 Im Electrical data Operating voltage U _a 1830 VDC DC rated operating current I _a ≤ 100 mA Operating voltage U _a 2127 VAC 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 210.6 mm	Function	Tower light	
Features of color 1 Features of color 2 Green, Permanently on, 60 Im Features of color 3 Yellow, Permanently on, 23 Im Features of color 4 Red, Permanently on, 32 Im Electrical data Operating voltage U _B 1830 VDC DC rated operating current I _B Operating voltage U _B 2127 VAC AC rated operational current AC rated operational current Input type Bipolar (PNP/NPN)22 Response time typical Mechanical data Cascadable No Design Smooth barrel, TL50H Dimensions	Light type	Green Yellow	
Features of color 2 Features of color 3 Yellow, Permanently on, 23 Im Features of color 4 Red, Permanently on, 32 Im Electrical data Operating voltage U _B 1830 VDC DC rated operating current I _e Operating voltage U _B 2127 VAC AC rated operational current Max. current consumption per color Input type Bipolar (PNP/NPN)22 Response time typical No Design Smooth barrel, TL50H Dimensions	Dimmable	No	
Features of color 3 Yellow, Permanently on, 23 Im Features of color 4 Red, Permanently on, 32 Im Electrical data Operating voltage U _B 1830 VDC DC rated operating current I _B Operating voltage U _B 2127 VAC AC rated operational current ≤ 100 mA Max. current consumption per color Input type Bipolar (PNP/NPN)22 Response time typical No Design Smooth barrel, TL50H Dimensions	Features of color 1	Blue, Permanently on, 23 Im	
Features of color 4 Red, Permanently on, 32 Im Electrical data Operating voltage U _B DC rated operating current I _e Operating voltage U _B AC rated operational current Max. current consumption per color Input type Bipolar (PNP/NPN)22 Response time typical Cascadable No Design Smooth barrel, TL50H Dimensions	Features of color 2	Green, Permanently on, 60 Im	
Electrical data Operating voltage U _B DC rated operating current I _B Operating voltage U _B 2127 VAC AC rated operational current Max. current consumption per color Input type Bipolar (PNP/NPN)22 Response time typical Mechanical data Cascadable No Design Smooth barrel, TL50H Dimensions	Features of color 3	Yellow, Permanently on, 23 Im	
Operating voltage UB 1830 VDC DC rated operating current IB ≤ 100 mA Operating voltage UB 2127 VAC AC rated operational current ≤ 100 mA Max. current consumption per color 100 mA Input type Bipolar (PNP/NPN)22 Response time typical < 10 ms	Features of color 4	Red, Permanently on, 32 Im	
DC rated operating current I₀ ≤ 100 mA Operating voltage U₀ 2127 VAC 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 210.6 mm	Electrical data		
Operating voltage UB 2127 VAC AC rated operational current ≤ 100 mA Max. current consumption per color 100 mA Input type Bipolar (PNP/NPN)22 Response time typical < 10 ms	Operating voltage U _B	1830 VDC	
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 210.6 mm	DC rated operating current I _e	≤ 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 210.6 mm	Operating voltage U _B	2127 VAC	
Input type Bipolar (PNP/NPN)22 Response time typical < 10 ms Mechanical data Cascadable No Design Smooth barrel, TL50H Dimensions Ø 50 x 210.6 mm	AC rated operational current	≤ 100 mA	
Response time typical < 10 ms Mechanical data Cascadable No Design Smooth barrel, TL50H Dimensions Ø 50 x 210.6 mm	Max. current consumption per color	100 mA	
Mechanical dataCascadableNoDesignSmooth barrel, TL50HDimensionsØ 50 x 210.6 mm	Input type	Bipolar (PNP/NPN)22	
Cascadable No Design Smooth barrel, TL50H Dimensions Ø 50 x 210.6 mm	Response time typical	< 10 ms	
Design Smooth barrel, TL50H Dimensions Ø 50 x 210.6 mm	Mechanical data		
Dimensions Ø 50 x 210.6 mm	Cascadable	No	
	Design	Smooth barrel, TL50H	
Housing material Plastic, ABS, Black	Dimensions	Ø 50 x 210.6 mm	
	Housing material	Plastic, ABS, Black	



Features

- ■Plastic housing, black
- ■EMI and RFI immune
- ■Protection class IP67
- ■Male M12 x 1
- Multicolor: Blue (COL 1) / Green (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 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 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 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 buttom 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	095 %		
Protection class	IP67		
Tests/approvals			
Approvals	CE, UL listed		

Accessories

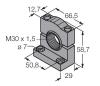
SMB30A	3032723
	Mounting bracket, rectangular, stainless steel, for sensors with 30mm thread



3074005 Montagewinkel; Werkstoff VA 1.4401

SMB30SC	3052521
	Mounting bracket PRT black

Mounting bracket, PBT black, for sensors with 30 mm thread, rotatable



Accessories

Dimension drawing	Туре	ID	
M12x1 o 15 2 14 11.5 4 5 50	RKC4.5T-2/TEL	6625016	Connection cable, M12 female connector, straight, 5-pin, cable length: 2 m, jacket material: PVC, black; cULus approval
215 M12x1 265 32 32	WKC4.5T-2/TEL	6625028	Connection cable, M12 female connector, angled, 5-pin, cable length: 2 m, jacket material: PVC, black; cULus approval