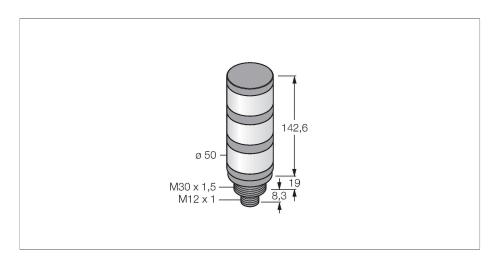


TL50HGBRQ LED Signal Light – High-intensity Tower Light





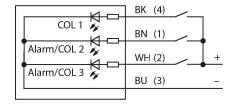
Technical data

Signal and display data Purpose LED indicator light Function Tower light Light type Green Blue Red Dimmable No Features of color 1 Green, Permanently on, 60 Im Features of color 2 Blue, Permanently on, 23 Im Features of color 3 Red, Permanently on, 32 Im Electrical data Operating voltage Us DC rated operating current Is AC rated operational current Max. current consumption per color Input type Bipolar (PNP/NPN) Response time typical Mechanical data Cascadable No Design Smooth barrel, TL50H Dimensions Ø 50 x 169.9 mm Housing material Polycarbonate, diffuse Electrical connection	Туре	TL50HGBRQ		
Purpose LED indicator light Function Tower light Light type Green Blue Red Dimmable No Features of color 1 Green, Permanently on, 60 Im Features of color 2 Blue, Permanently on, 23 Im Features of color 3 Red, Permanently on, 32 Im Electrical data Operating voltage U₀ 1830 VDC DC rated operating current l₀ ≤ 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) Response time typical < 10 ms Mechanical data Cascadable No Design Smooth barrel, TL50H Dimensions Ø 50 x 169.9 mm Housing material Plastic, ABS, Black Window material	ID	3019049		
Function Light type Green Blue Red Dimmable No Features of color 1 Green, Permanently on, 60 Im Features of color 2 Blue, Permanently on, 23 Im Features of color 3 Red, Permanently on, 32 Im Electrical data Operating voltage U _a 1830 VDC DC rated operating current I _a Operating voltage U _a 2127 VAC AC rated operational current Max. current consumption per color Input type Bipolar (PNP/NPN) Response time typical Mechanical data Cascadable No Design Smooth barrel, TL50H Dimensions Ø 50 x 169.9 mm Housing material Polycarbonate, diffuse	Signal and display data			
Light type Green Blue Red Dimmable No Features of color 1 Green, Permanently on, 60 Im Features of color 2 Blue, Permanently on, 23 Im Features of color 3 Red, Permanently on, 32 Im Electrical data Operating voltage U _s 1830 VDC DC rated operating current I _s Operating voltage U _s 2127 VAC AC rated operational current Max. current consumption per color Input type Bipolar (PNP/NPN) Response time typical Mechanical data Cascadable No Design Smooth barrel, TL50H Dimensions Ø 50 x 169.9 mm Housing material Polycarbonate, diffuse	Purpose	LED indicator light		
Blue Red Dimmable No Features of color 1 Green, Permanently on, 60 Im Features of color 2 Blue, Permanently on, 23 Im Features of color 3 Red, Permanently on, 32 Im Electrical data Operating voltage U ₈ 1830 VDC DC rated operating current I ₈ ≤ 100 mA Operating voltage U ₈ 2127 VAC AC rated operational current ≤ 100 mA Max. current consumption per color 100 mA Input type Bipolar (PNP/NPN) Response time typical Value Simpolar (PNP/NPN) Response time typical Cascadable No Design Smooth barrel, TL50H Dimensions Ø 50 x 169.9 mm Housing material Polycarbonate, diffuse	Function	Tower light		
Features of color 1 Features of color 2 Blue, Permanently on, 23 Im Features of color 3 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) Response time typical Acascadable No Design Smooth barrel, TL50H Dimensions Ø 50 x 169.9 mm Housing material Polycarbonate, diffuse	Light type	Blue		
Features of color 2 Blue, Permanently on, 23 Im Features of color 3 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) Response time typical Mechanical data Cascadable No Design Smooth barrel, TL50H Dimensions Ø 50 x 169.9 mm Housing material Polycarbonate, diffuse	Dimmable	No		
Features of color 3 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 AC rated operational current Max. current consumption per color Input type Bipolar (PNP/NPN) Response time typical Cascadable No Design Smooth barrel, TL50H Dimensions Ø 50 x 169.9 mm Housing material Plastic, ABS, Black Window material	Features of color 1	Green, Permanently on, 60 Im		
Electrical data Operating voltage U _B 1830 VDC DC rated operating current I _e 2127 VAC AC rated operational current ≤ 100 mA Max. current consumption per color Input type Bipolar (PNP/NPN) Response time typical Cascadable No Design Smooth barrel, TL50H Dimensions Moderational current Ø 50 x 169.9 mm Housing material Plastic, ABS, Black Window material	Features of color 2	Blue, Permanently on, 23 Im		
Operating voltage Us 1830 VDC DC rated operating current Is ≤ 100 mA Operating voltage Us 2127 VAC AC rated operational current ≤ 100 mA Max. current consumption per color 100 mA Input type Bipolar (PNP/NPN) Response time typical < 10 ms	Features of color 3	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) Response time typical < 10 ms	Electrical data			
Operating voltage U _B 2127 VAC AC rated operational current ≤ 100 mA Max. current consumption per color 100 mA Input type Bipolar (PNP/NPN) 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) Response time typical < 10 ms Mechanical data Cascadable No Design Smooth barrel, TL50H Dimensions Ø 50 x 169.9 mm Housing material Plastic, ABS, Black Window material Polycarbonate, diffuse	DC rated operating current I _e	≤ 100 mA		
Max. current consumption per color Input type Bipolar (PNP/NPN) Response time typical A 10 ms Mechanical data Cascadable Design Smooth barrel, TL50H Dimensions Ø 50 x 169.9 mm Housing material Plastic, ABS, Black Window material Polycarbonate, diffuse	Operating voltage U _B	2127 VAC		
Input type Bipolar (PNP/NPN) Response time typical < 10 ms Mechanical data Cascadable No Design Smooth barrel, TL50H Dimensions Ø 50 x 169.9 mm Housing material Plastic, ABS, Black Window material Polycarbonate, diffuse	AC rated operational current	≤ 100 mA		
Response time typical < 10 ms Mechanical data Cascadable No Design Smooth barrel, TL50H Dimensions Ø 50 x 169.9 mm Housing material Plastic, ABS, Black Window material Polycarbonate, diffuse	Max. current consumption per color	100 mA		
Mechanical data Cascadable No Design Smooth barrel, TL50H Dimensions Ø 50 x 169.9 mm Housing material Plastic, ABS, Black Window material Polycarbonate, diffuse	Input type	Bipolar (PNP/NPN)		
Cascadable No Design Smooth barrel, TL50H Dimensions Ø 50 x 169.9 mm Housing material Plastic, ABS, Black Window material Polycarbonate, diffuse	Response time typical	< 10 ms		
Design Smooth barrel, TL50H Dimensions Ø 50 x 169.9 mm Housing material Plastic, ABS, Black Window material Polycarbonate, diffuse	Mechanical data			
Dimensions Ø 50 x 169.9 mm Housing material Plastic, ABS, Black Window material Polycarbonate, diffuse	Cascadable	No		
Housing material Plastic, ABS, Black Window material Polycarbonate, diffuse	Design	Smooth barrel, TL50H		
Window material Polycarbonate, diffuse	Dimensions	Ø 50 x 169.9 mm		
	Housing material	Plastic, ABS, Black		
Electrical connection Connector, M12 × 1, PVC	Window material	Polycarbonate, diffuse		
	Electrical connection	Connector, M12 × 1, PVC		

Features

- ■Plastic housing, black
- ■EMI and RFI immune
- ■Protection class IP67
- ■Male M12 x 1
- Multicolor: Green (COL 1) / Blue (COL 2) / Red (COL 3)
- 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.



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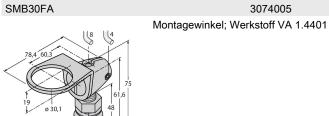
Technical data

Number of cores	4	
Ambient temperature	-40+50 °C	
Relative humidity	095 %	
Protection class	IP67	
Tests/approvals		
Approvals	CE, UL listed	

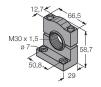
Accessories

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





SMB30SC 3052521 Mounting bracket, PBT black, for sensors with 30 mm thread, rotatable



Accessories

Dimension drawing	Туре	ID	
M12 x 1 o 15	RKC4.4T-2/TEL	6625013	Connection cable, M12 female connector, straight, 4-pin, cable length: 2 m, jacket material: PVC, black; cULus approval
015 M12x1 26.5	WKC4.4T-2/TEL	6625025	Connection cable, M12 female connector, angled, 4-pin, cable length: 2 m, jacket material: PVC, black; cULus approval