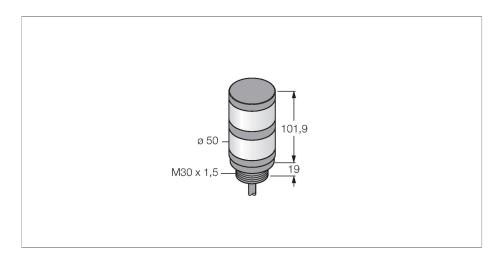


TL50HYW LED Indicator – High-intensity Tower Light





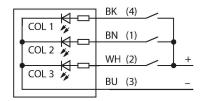
Signal and display data Purpose LED indicator light Function Tower light Light type Yellow White Dimmable No Features of color 1 Yellow, Permanently on, 23 Im Features of color 2 White, Permanently on, 50 Im Electrical data Operating voltage 1830 VDC DC rated operational current ≤ 100 mA Operating voltage 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 120.8 mm Housing material Plastic, ABS, Black Window material Polycarbonate, diffuse Electrical connection Cable, 2 m, PVC Number of cores 4 Ambient temperature -40+50 °C	Туре	TL50HYW		
Purpose LED indicator light Function Tower light Light type Yellow White Dimmable No Features of color 1 Yellow, Permanently on, 23 Im Features of color 2 White, Permanently on, 50 Im Electrical data Operating voltage 1830 VDC DC rated operational current ≤ 100 mA Operating voltage 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 120.8 mm Housing material Plastic, ABS, Black Window material Polycarbonate, diffuse Electrical connection Cable, 2 m, PVC Number of cores 4	ID	3044720		
Function Light type Yellow White Dimmable No Features of color 1 Features of color 2 White, Permanently on, 23 Im Features of color 2 White, Permanently on, 50 Im Electrical data Operating voltage 1830 VDC DC rated operational current ≤ 100 mA Operating voltage 2127 VAC 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 120.8 mm Housing material Plastic, ABS, Black Window material Polycarbonate, diffuse Electrical connection Cable, 2 m, PVC Number of cores	Signal and display data			
Light type Yellow White Dimmable No Features of color 1 Yellow, Permanently on, 23 Im Features of color 2 White, Permanently on, 50 Im Electrical data Operating voltage 1830 VDC DC rated operational current ≤ 100 mA Operating voltage 2127 VAC AC rated operational current ≤ 100 mA Input type Bipolar (PNP/NPN) 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, 2 m, PVC Number of cores 4	Purpose	LED indicator light		
Dimmable No Features of color 1 Yellow, Permanently on, 23 Im Features of color 2 White, Permanently on, 50 Im Electrical data White, Permanently on, 50 Im Operating voltage 1830 VDC DC rated operational current ≤ 100 mA Operating voltage 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	Function	Tower light		
Features of color 1 Features of color 2 White, Permanently on, 50 Im Electrical data Operating voltage DC rated operational current Operating voltage 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 120.8 mm Housing material Polycarbonate, diffuse Electrical connection Number of cores Yellow, Permanently on, 23 Im White, Permanently on, 23 Im Yellow, Permanently on, 23 Im Yellow, Permanently on, 23 Im Should No De Imput type 1830 VDC 100 mA 100 mA Bipolar (PNP/NPN) < 10 ms Mechanical data Cascadable No Design Smooth barrel, TL50H Dimensions Ø 50 x 120.8 mm Housing material Polycarbonate, diffuse Electrical connection Cable, 2 m, PVC	Light type			
Features of color 2 White, Permanently on, 50 Im Electrical data 1830 VDC DC rated operational current ≤ 100 mA Operating voltage 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	Dimmable	No		
Electrical data Operating voltage 1830 VDC DC rated operational current ≤ 100 mA Operating voltage 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 120.8 mm Housing material Plastic, ABS, Black Window material Polycarbonate, diffuse Electrical connection Cable, 2 m, PVC Number of cores 4	Features of color 1	Yellow, Permanently on, 23 Im		
Operating voltage 1830 VDC DC rated operational current ≤ 100 mA Operating voltage 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 2	White, Permanently on, 50 lm		
DC rated operational current ≤ 100 mA Operating voltage 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 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	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 120.8 mm Housing material Plastic, ABS, Black Window material Polycarbonate, diffuse Electrical connection Cable, 2 m, PVC Number of cores 4	DC rated operational current	≤ 100 mA		
Max. current consumption per color Input type Bipolar (PNP/NPN) 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, 2 m, PVC Number of cores	Operating voltage	2127 VAC		
Input type Bipolar (PNP/NPN) 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, 2 m, PVC Number of cores 4	AC rated operational current	≤ 100 mA		
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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, 2 m, PVC Number of cores 4	Input type	Bipolar (PNP/NPN)		
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, 2 m, PVC Number of cores 4	Response time typical	< 10 ms		
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Dimensions Ø 50 x 120.8 mm Housing material Plastic, ABS, Black Window material Polycarbonate, diffuse Electrical connection Cable, 2 m, PVC Number of cores 4	Cascadable	No		
Housing material Plastic, ABS, Black Window material Polycarbonate, diffuse Electrical connection Cable, 2 m, PVC Number of cores 4	Design	Smooth barrel, TL50H		
Window material Polycarbonate, diffuse Electrical connection Cable, 2 m, PVC Number of cores 4	Dimensions	Ø 50 x 120.8 mm		
Electrical connection Cable, 2 m, PVC Number of cores 4	Housing material	Plastic, ABS, Black		
Number of cores 4	Window material	Polycarbonate, diffuse		
	Electrical connection	Cable, 2 m, PVC		
Ambient temperature -40+50 °C	Number of cores	4		
	Ambient temperature	-40+50 °C		



Features

- ■Plastic housing, black
- ■EMI and RFI immune
- ■Protection class IP67
- Cable 2 m
- Colors: Yellow (COL 1) / White (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 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.



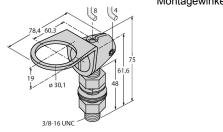
Technical data

Relative humidity	095 %
Protection class	IP67
Tests/approvals	
Approvals	CE, UL listed

Accessories

SMB30A	3032723	SMB30FA		3074005
	Mounting bracket, rectangular,			Montagewinkel; Werkstoff VA 1.4401
	stainless staal for songers with 20mm		8 4	





SMB30SC	3052521
	Mounting bracket PRT black for

thread

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

