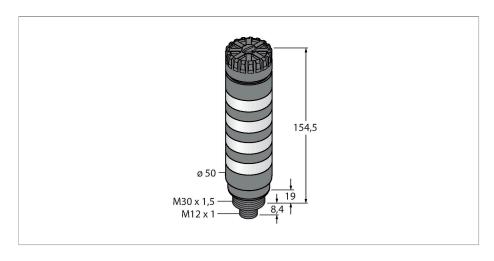


TL50CBGYRAQ LED Indicator – Compact Signal Tower



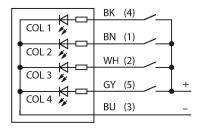
Technical data

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, 4.5 Im Features of color 2 Green, Permanently on, 27 Im Features of color 3 Yellow, Permanently on, 6 Im Features of color 4 Red, Permanently on, 9 Im Acoustic signal Continuous tone, 92 dB Electrical data Operating voltage 1230 VDC DC rated operational current ≤ 540 mA Operating voltage 2127 VAC Max. current consumption per color 135 mA Max. current consumption of beeper 25 mA Input type Bipolar (PNP/NPN) Response time typical <10 ms Mechanical data Cascadable No Design Smooth barrel, TL50C Dimensions Ø 50 x 181.9 mm Housing material	Туре	TL50CBGYRAQ		
Purpose LED indicator light Function Tower light Light type Blue Green Yellow Red Dimmable No Features of color 1 Blue, Permanently on, 4.5 Im Features of color 2 Green, Permanently on, 27 Im Features of color 3 Yellow, Permanently on, 6 Im Features of color 4 Red, Permanently on, 9 Im Acoustic signal Continuous tone, 92 dB Electrical data Operating voltage 1230 VDC DC rated operational current ≤ 540 mA Operating voltage 2127 VAC Max. current consumption per color 135 mA Max. current consumption of beeper 25 mA Input type Bipolar (PNP/NPN) Response time typical <10 ms Mechanical data Cascadable No Design Smooth barrel, TL50C Dimensions Ø 50 x 181.9 mm	ID	3091349		
Function Light type Blue Green Yellow Red Dimmable No Features of color 1 Features of color 2 Green, Permanently on, 4.5 Im Features of color 3 Yellow, Permanently on, 27 Im Features of color 3 Yellow, Permanently on, 6 Im Features of color 4 Red, Permanently on, 9 Im Acoustic signal Continuous tone, 92 dB Electrical data Operating voltage 1230 VDC DC rated operational current Sequence of the proper of the pro	Signal and display data			
Light type Blue Green Yellow Red Dimmable No Features of color 1 Blue, Permanently on, 4.5 Im Features of color 2 Green, Permanently on, 27 Im Features of color 3 Yellow, Permanently on, 6 Im Features of color 4 Red, Permanently on, 9 Im Acoustic signal Continuous tone, 92 dB Electrical data Operating voltage 1230 VDC DC rated operational current ≤ 540 mA Operating voltage 2127 VAC Max. current consumption per color Max. current consumption of beeper 25 mA Input type Bipolar (PNP/NPN) Response time typical No Design Smooth barrel, TL50C Dimensions Ø 50 x 181.9 mm	Purpose	LED indicator light		
Dimmable No Features of color 1 Blue, Permanently on, 4.5 Im Features of color 2 Green, Permanently on, 27 Im Features of color 3 Yellow, Permanently on, 6 Im Features of color 4 Red, Permanently on, 9 Im Acoustic signal Continuous tone, 92 dB Electrical data Coperating voltage DC rated operational current ≤ 540 mA Operating voltage 2127 VAC Max. current consumption per color 135 mA Max. current consumption of beeper 25 mA Input type Bipolar (PNP/NPN) Response time typical < 10 ms	Function	Tower light		
Features of color 1 Features of color 2 Green, Permanently on, 27 Im Features of color 3 Yellow, Permanently on, 6 Im Features of color 4 Red, Permanently on, 9 Im Continuous tone, 92 dB Electrical data Operating voltage 1230 VDC DC rated operational current ≤ 540 mA Operating voltage 2127 VAC Max. current consumption per color Max. current consumption of beeper Input type Bipolar (PNP/NPN) Response time typical Mechanical data Cascadable No Design Smooth barrel, TL50C Dimensions	Light type	Green Yellow		
Features of color 2 Features of color 3 Yellow, Permanently on, 6 Im Features of color 4 Red, Permanently on, 9 Im Acoustic signal Continuous tone, 92 dB Electrical data Operating voltage 1230 VDC DC rated operational current ≤ 540 mA Operating voltage 2127 VAC Max. current consumption per color Max. current consumption of beeper Input type Bipolar (PNP/NPN) Response time typical Cascadable No Design Smooth barrel, TL50C Dimensions	Dimmable	No		
Features of color 3 Features of color 4 Red, Permanently on, 9 Im Acoustic signal Continuous tone, 92 dB Electrical data Operating voltage 1230 VDC DC rated operational current ≤ 540 mA Operating voltage 2127 VAC Max. current consumption per color Max. current consumption of beeper Input type Bipolar (PNP/NPN) Response time typical Cascadable No Design Smooth barrel, TL50C Dimensions	Features of color 1	Blue, Permanently on, 4.5 lm		
Features of color 4 Red, Permanently on, 9 Im Acoustic signal Continuous tone, 92 dB Electrical data 1230 VDC DC rated operational current ≤ 540 mA Operating voltage 2127 VAC Max. current consumption per color 135 mA Max. current consumption of beeper 25 mA Input type Bipolar (PNP/NPN) Response time typical < 10 ms	Features of color 2	Green, Permanently on, 27 Im		
Acoustic signal Electrical data Operating voltage DC rated operational current Operating voltage 2127 VAC Max. current consumption per color Max. current consumption of beeper Input type Bipolar (PNP/NPN) Response time typical Cascadable No Design Smooth barrel, TL50C Dimensions Cascadable Operating voltage 1230 VDC 25. MA Bipolar (PNP/NPN) Cascadable No Smooth barrel, TL50C Dimensions	Features of color 3	Yellow, Permanently on, 6 Im		
Electrical data Operating voltage 1230 VDC DC rated operational current ≤ 540 mA Operating voltage 2127 VAC Max. current consumption per color 135 mA Max. current consumption of beeper 25 mA Input type Bipolar (PNP/NPN) Response time typical <10 ms Mechanical data Cascadable No Design Smooth barrel, TL50C Dimensions Ø 50 x 181.9 mm	Features of color 4	Red, Permanently on, 9 Im		
Operating voltage 1230 VDC DC rated operational current ≤ 540 mA Operating voltage 2127 VAC Max. current consumption per color 135 mA Max. current consumption of beeper 25 mA Input type Bipolar (PNP/NPN) Response time typical < 10 ms	Acoustic signal	Continuous tone, 92 dB		
DC rated operational current ≤ 540 mA Operating voltage 2127 VAC Max. current consumption per color 135 mA Max. current consumption of beeper 25 mA Input type Bipolar (PNP/NPN) Response time typical <10 ms Mechanical data Cascadable No Design Smooth barrel, TL50C Dimensions Ø 50 x 181.9 mm	Electrical data			
Operating voltage 2127 VAC Max. current consumption per color 135 mA Max. current consumption of beeper 25 mA Input type Bipolar (PNP/NPN) Response time typical < 10 ms Mechanical data Cascadable No Design Smooth barrel, TL50C Dimensions Ø 50 x 181.9 mm	Operating voltage	1230 VDC		
Max. current consumption per color Max. current consumption of beeper 25 mA Input type Bipolar (PNP/NPN) Response time typical < 10 ms Mechanical data Cascadable No Design Smooth barrel, TL50C Dimensions Ø 50 x 181.9 mm	DC rated operational current	≤ 540 mA		
Max. current consumption of beeper 25 mA Input type Bipolar (PNP/NPN) Response time typical < 10 ms Mechanical data Cascadable No Design Smooth barrel, TL50C Dimensions Ø 50 x 181.9 mm	Operating voltage	2127 VAC		
Input type Bipolar (PNP/NPN) Response time typical < 10 ms Mechanical data Cascadable No Design Smooth barrel, TL50C Dimensions Ø 50 x 181.9 mm	Max. current consumption per color	135 mA		
Response time typical < 10 ms Mechanical data Cascadable No Design Smooth barrel, TL50C Dimensions Ø 50 x 181.9 mm	Max. current consumption of beeper	25 mA		
Mechanical data Cascadable No Design Smooth barrel, TL50C Dimensions Ø 50 x 181.9 mm	Input type	Bipolar (PNP/NPN)		
Cascadable No Design Smooth barrel, TL50C Dimensions Ø 50 x 181.9 mm	Response time typical	< 10 ms		
Design Smooth barrel, TL50C Dimensions Ø 50 x 181.9 mm	Mechanical data			
Dimensions Ø 50 x 181.9 mm	Cascadable	No		
	Design	Smooth barrel, TL50C		
Housing material Plastic, ABS, Black	Dimensions	Ø 50 x 181.9 mm		
	Housing material	Plastic, ABS, Black		

Features

- Plastic housing, black
- ■EMI and RFI immune
- Protection class IP50
- ■M12 x 1 male
- Multicolor: Blue (COL 1) / Green (COL 2) / Yellow (COL 3) / Red (COL 4)
- Operating voltage: Operating voltage 12... 30 VDC or 21...27 VAC with 135 mA per LED color
- ■Inputs: PNP/NPN
- ■Beeper max. 92 dB

Wiring diagram



Functional principle

The TL50C compact signal tower is a mixture of the TL50 Beacon and the TL50 high brightness models in a shorter design and ensures 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.

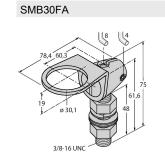
There are 10 colors available blue (B), green (G), red (R), yellow (Y), white (W), turquoise (T), orange (O), violet (V), sky blue (S) and magenta (M), which specify the light sequence from bottom to top in the type code of the tower light. Example: TL50CGYRQ indicates the colors green, yellow and red from bottom to top

Technical data

Window material	Polycarbonate, diffuse		
Electrical connection	Connector, M12 × 1, PVC		
Number of cores	8		
Ambient temperature	-20+50 °C		
Relative humidity	095 %		
Protection class	IP50		
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

ø 30,5	>
6,3 wide 0 6,3	38,5 61
R 40	59
7,5	59

SMB30SC 3052521

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



Accessories

Dimension drawing	Туре	ID	
M12x1 015 2 14	RKC8T-2/TEL	6625130	Connection cable, M12 female connector, straight, 8-pin, cable length: 2 m, jacket material: PVC, black; cULus approval
9 15 M12x1 265 32	WKC8T-2/TEL	6625133	Connection cable, M12 female connector, angled, 8-pin, cable length: 2 m, jacket material: PVC, black; cULus approval