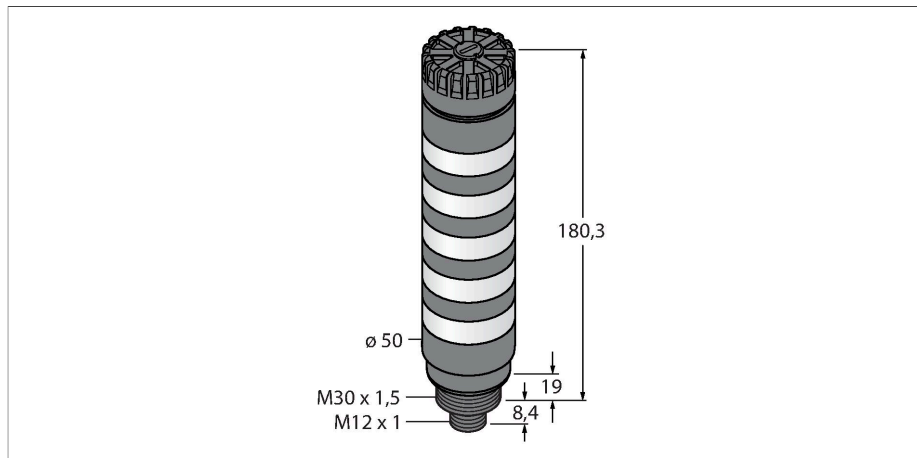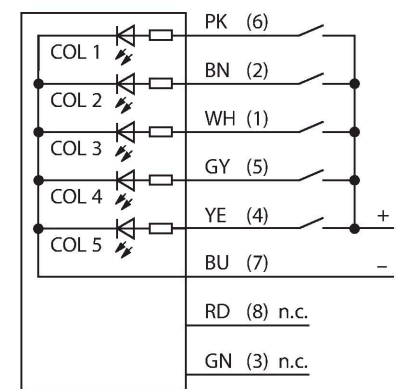# TL50CWBGYRAQ
LED Indicator –   Compact Signal Tower

Features

- Plastic housing, black
- EMI and RFI immune
- Protection class IP50
- M12 x 1 male
- Multicolor: White (COL 1) / Blue (COL 2) / Green (COL 3) / Yellow (COL 4) / Red (COL 5)
- 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

Technical data

Type	TL50CWBGYRAQ
ID	3091350
Signal and display data	
Purpose	LED indicator light
Function	Tower light
Light type	White Blue Green Yellow Red
Dimmable	No
Features of color 1	White, Permanently on, 25 lm
Features of color 2	Blue, Permanently on, 4.5 lm
Features of color 3	Green, Permanently on, 27 lm
Features of color 4	Yellow, Permanently on, 6 lm
Features of color 5	Red, Permanently on, 9 lm
Acoustic signal	Continuous tone, 92 dB
Electrical data	
Operating voltage	12…30 VDC
DC rated operational current	≤ 675 mA
Operating voltage	21…27 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

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

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TL50CWBGYRAQ | 17-11-2023 13-44 | Technical modifications reserved

Technical data

Dimensions	Ø 50 x 207.7 mm
Housing material	Plastic, ABS, Black
Window material	Polycarbonate, diffuse
Electrical connection	Connector, M12 × 1, PVC
Number of cores	8
Ambient temperature	-20…+50 °C
Relative humidity	0…95 %
Protection class	IP50
Tests/approvals	
Approvals	CE, UL listed

Accessories

SMB30A	3032723

Mounting bracket, rectangular, stainless steel, for sensors with 30mm thread
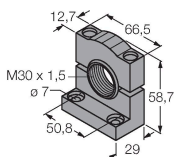
ø 30,5
6,3 wide
ø 6,3
45
38,5
61
R 40
7,5
69
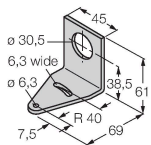
SMB30FA	3074005

Montagewinkel; Werkstoff VA 1.4401

8
4
78,4
60,3
75
19
61,6
ø 30,1
48
3/8-16 UNC
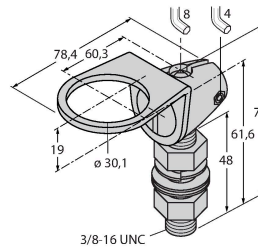
SMB30SC	3052521

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

12,7
66,5
M30 x 1,5
ø 7
58,7
50,8
29

Accessories

Dimension drawing	Type	ID	
	RKC8T-2/TEL	6625130	Connection cable, M12 female connector, straight, 8-pin, cable length: 2 m, jacket material: PVC, black; cULus approval

M12 x 1 ø 15 14
11,5
42
5
50
L

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Dimension drawing	Type	ID	
	WKC8T-2/TEL	6625133	Connection cable, M12 female connector, angled, 8-pin, cable length: 2 m, jacket material: PVC, black; cULus approval