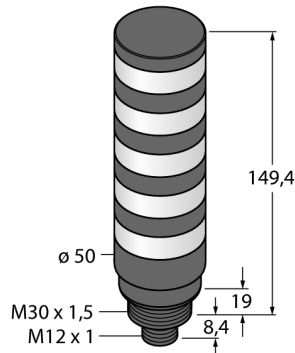


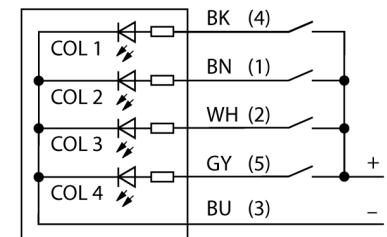
LED Signal Light Compact Signal Tower TL50P5CQ



- Plastic housing, black
- EMI and RFI immune
- Protection class IP67
- M12 x 1 male
- Flexible display with RGB LEDs
- Control of user-defined or predefined light colors
- Flashing function, alternation, two-colored display and intensity check
- Operating voltage: Operating voltage 12...30 VDC or 21...27 VAC with 135 mA per LED color
- Inputs: PNP/NPN

Type	TL50P5CQ
ID	3806720
Signal and display data	
Purpose	LED indicator light
Function	Tower light
Light type	RGB
Dimmable	No
Features of color 1	White, 24.8 lm
Features of color 2	Blue, 3.4 lm
Features of color 3	Green, 17.5 lm
Features of color 4	Yellow, 23.8 lm
Features of color 5	Red, 7.2 lm
Electrical data	
Operating voltage U_o	12...30 VDC
DC rated operating current I_o	≤ 135 mA
Operating voltage U_o	21...27VAC
Max. current consumption per color	220 mA
Input type	Bipolar (PNP/NPN)
Response time typical	< 250 ms
Mechanical data	
Cascadable	No
Design	Smooth barrel, TL50C
Dimensions	Ø 50 x 251.3 mm
Housing material	Plastic, ABS
Window material	Polycarbonate, diffuse
Electrical connection	Connector, M12 x 1
Number of cores	8
Ambient temperature	-40...+50 °C
Relative humidity	0...95%
Protection class	IP67
Tests/approvals	
Approvals	CE, UL listed

Wiring Diagram



Functional principle

The TL50 Pro IO-Link tower lights provide highly visible status displays and clear user guidance throughout the entire system. Each tower light is assembled from RGB LED elements and is available with or without beeper. They are ready to use in just a few steps and can be mounted directly on machines, on the switch cabinet or in locations to be monitored within production lines.

The corresponding RGB LEDs are parameterized via an IO-Link interface. This allows predefined colors and user-defined colors within the RGB color space to be controlled, with or without lighting animations. The lighting animations include a flashing function, intensity check, rotation, alternation and two-colored displays. Compared with the standard TL50 variants, the TL50 Pro IO-Link tower lights allow a variety of models to be implemented using just one display.

Accessories

Type code	Ident no.	Dimension drawing
SMB30A	3032723	Mounting bracket, rectangular, stainless steel, for sensors with 30mm thread
SMB30FA	3074005	Montagewinkel; Werkstoff VA 1.4401
SMB30SC	3052521	Mounting bracket, PBT black, for sensors with 30 mm thread, rotatable