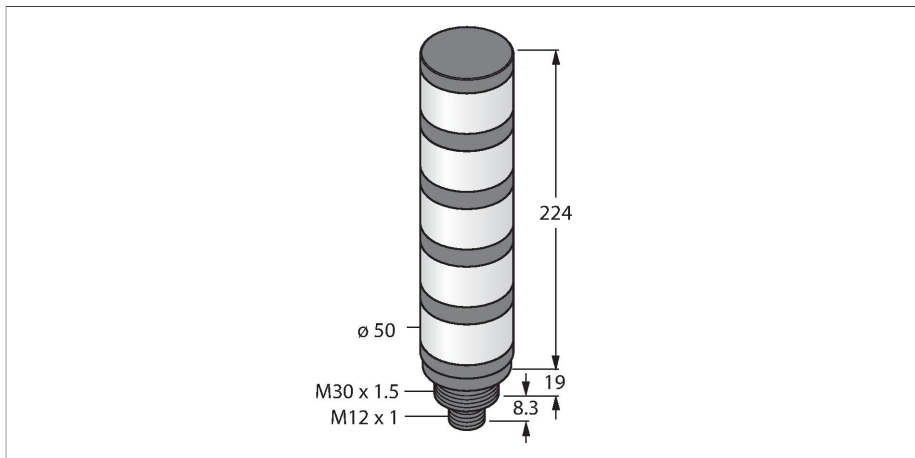


TL50P5Q

LED Signal Light – Tower Light



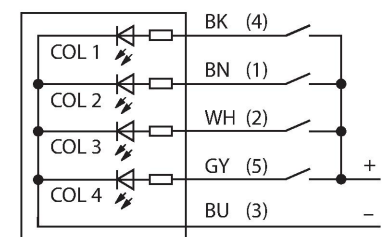
Technical data

Type	TL50P5Q
ID	3806671
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_B	18...30 VDC
DC rated operating current I_o	≤ 45 mA
Operating voltage U_B	21...27 VAC
AC rated operational current	≤ 45 mA
Max. current consumption per color	220 mA
Input type	Bipolar (PNP/NPN)
Response time typical	< 250 ms
Mechanical data	
Cascadable	No
Design	Smooth barrel, TL50
Dimensions	Ø 50 x 251.3 mm
Housing material	Plastic, ABS, Black
Window material	Polycarbonate, diffuse
Electrical connection	Connector, M12 × 1

Features

- Plastic housing, black
- EMI and RFI immune
- Protection class IP67
- M12 × 1 male connector
- Flexible display with RGB LEDs
- Control of user-defined or predefined light colors
- Flashing function, alternation, two-colored display and intensity check
- Operating voltage: 10...30 VDC or 24 VAC with 45 mA per LED color
- Inputs: PNP/NPN

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

Technical data

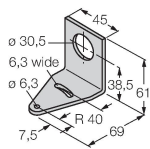
Number of cores	8
Ambient temperature	-40...+50 °C
Relative humidity	0...95 %
Protection class	IP67
Tests/approvals	
Approvals	CE, UL listed

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

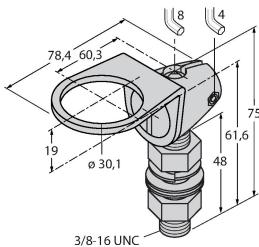
SMB30A	3032723
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Mounting bracket, rectangular, stainless steel, for sensors with 30mm thread



SMB30FA	3074005
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Montagewinkel; Werkstoff VA 1.4401



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

