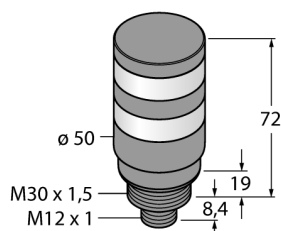
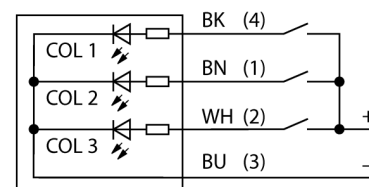


# LED Signal Light Tower Light TL50BLR1Y1Q



- Black plastic housing
- Protection class IP67
- EMI and RFI immune
- Male M12x1
- Colors: Red rotating (COL 1) / Yellow rotating (COL 2)
- Operating voltage: 12...30 VDC or 24 VAC with 45 mA per LED color
- Inputs: PNP/NPN

## Wiring Diagram



## Functional principle

The rugged multifunction TL50 beacon is available in many variations and is easily mounted. Each signal tower can be assembled from a maximum of four varicolored LEDs, with or without a beeper. You can also choose from three different lighting functions (steady, rotating, flashing). The lighting function is indicated in the type code after the color (no number: steady; 1: rotating; 2: flashing). Clearly visible status displays for indoor and outdoor applications.

The wiring diagram shows a PNP pin assignment.

5 colors are available, blue (B), green (G), red (R), yellow (Y) and white (W), which specify the light sequence from bottom to top in the type designation of the tower light. Example: TL50GYRQ, designates the colors green, yellow and red from bottom to top.

|                                    |                                  |
|------------------------------------|----------------------------------|
| Type                               | TL50BLR1Y1Q                      |
| ID                                 | 3029416                          |
| Signal and display data            |                                  |
| Purpose                            | LED indicator light              |
| Function                           | Tower light                      |
| Light type                         | Red, rotating<br>Green, rotating |
| Dimmable                           | No                               |
| Features of color 1                | Red, Rotating, 24 lm             |
| Features of color 2                | Yellow, Rotating, 15 lm          |
| Electrical data                    |                                  |
| Operating voltage $U_o$            | 12...30 VDC                      |
| DC rated operating current $I_o$   | ≤ 125 mA                         |
| Operating voltage $U_o$            | 21...27VAC                       |
| AC rated operational current       | ≤ 100 mA                         |
| Max. current consumption per color | 125 mA                           |
| Input type                         | Bipolar (PNP/NPN)22              |
| Response time typical              | < 1 ms                           |
| Mechanical data                    |                                  |
| Cascadable                         | No                               |
| Design                             | Smooth barrel, TL50BL            |
| Dimensions                         | Ø 50 x 99.4 mm                   |
| Housing material                   | Plastic, ABS, Black              |
| Window material                    | Polycarbonate, clear             |
| Electrical connection              | Connector, M12 × 1, PVC          |
| Number of cores                    | 4                                |
| Ambient temperature                | -40...+50 °C                     |
| Relative humidity                  | 0...95%                          |
| Protection class                   | IP67                             |
| Tests/approvals                    |                                  |
| Approvals                          | CE, UL listed                    |

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        |  |