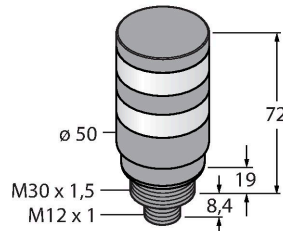


TL50BL2KQ

LED Indicator – Tower Light



Features

- Black plastic housing
- Protection class IP67
- EMI and RFI immune
- Male M12x1
- Flexible display with RGB LEDs
- Control of user-defined or predefined light colors
- Flashing function, alternation, two-colored display and intensity check
- Control and parametrization exclusively via IO-Link

Wiring diagram



Technical data

| | |
|------------------------------------|------------------------|
| Type | TL50BL2KQ |
| ID | 3804933 |
| Signal and display data | |
| Purpose | LED indicator light |
| Function | Tower light |
| Light type | RGB |
| Dimmable | Programmable |
| Features of color 1 | RGB, Programmable |
| Electrical data | |
| Operating voltage | 12...30 VDC |
| DC rated operational current | ≤ 125 mA |
| Operating voltage | 21...27 VAC |
| AC rated operational current | ≤ 100 mA |
| Max. current consumption per color | 100 mA |
| Communication protocol | IO-Link |
| Input type | Communication protocol |
| Response time typical | < 20 ms |
| IO-Link | |
| IO-Link specification | V 1.1 |
| Communication mode | COM 2 (38.4 kBaud) |
| Process data width | 16 bit |
| Frame type | Type_2_2 |
| Function pin 4 | IO-Link |
| Maximum cable length | 20 m |
| Included in the SIDI GSDML | Yes |

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.

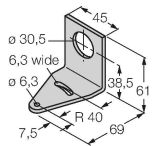
Technical data

| 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

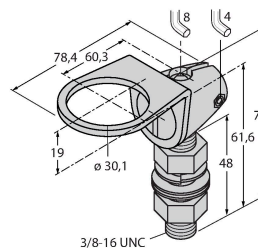
SMB30A 3032723

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



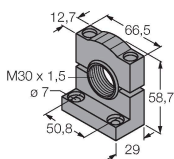
SMB30FA 3074005

Montagewinkel; Werkstoff VA 1.4401



SMB30SC 3052521

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



Accessories

| Dimension drawing | Type | ID | |
|-------------------|---------------|---------|---|
| | RKC4.4T-2/TEL | 6625013 | Connection cable, M12 female connector, straight, 4-pin, cable length: 2 m, jacket material: PVC, black; cULus approval |



Dimension drawing

Type

WKC4.4T-2/TEL

ID

6625025

Connection cable, M12 female connector, angled, 4-pin, cable length: 2 m, jacket material: PVC, black; cULus approval

