

# TL50AOS4IQ

## LED Indicator – Tower Light

### Technical data

|                                    |                                           |
|------------------------------------|-------------------------------------------|
| Type                               | TL50AOS4IQ                                |
| ID                                 | 3092966                                   |
| Signal and display data            |                                           |
| Purpose                            | LED indicator light                       |
| Function                           | Tower light                               |
| Dimmable                           | No                                        |
| Acoustic signal                    | Staccato with adjustable intensity, 95 dB |
| Electrical data                    |                                           |
| Operating voltage                  | 18...30 VDC                               |
| DC rated operational current       | ≤ 45 mA                                   |
| Operating voltage                  | 21...27 VAC                               |
| Max. current consumption of beeper | 45 mA                                     |
| Input type                         | Bipolar (PNP/NPN)                         |
| Response time typical              | < 10 ms                                   |
| Mechanical data                    |                                           |
| Cascadable                         | No                                        |
| Design                             | Smooth barrel, TL50                       |
| Dimensions                         | Ø 50 x 115.9 mm                           |
| Housing material                   | Plastic, ABS, Black                       |
| Window material                    | Plastic, diffuse                          |
| Electrical connection              | Connector, M12 × 1, PVC                   |
| Number of cores                    | 4                                         |
| Ambient temperature                | -20...+50 °C                              |
| Relative humidity                  | 0...95 %                                  |
| Protection class                   | IP67                                      |
| Tests/approvals                    |                                           |
| Approvals                          | CE, UL listed                             |



### Features

- Plastic housing, black
- EMI and RFI immune
- Protection class IP67
- M12 x 1 male
- Operating voltage: 18...30 VDC or 24 VAC with 45 mA per LED color
- Inputs: PNP/NPN
- Beeper: Omnidirectional, sealed, staccato with adjustable intensity max. 95 dB

### Functional principle

The TL50 tower lights provide 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 locations to be monitored within the production lines.

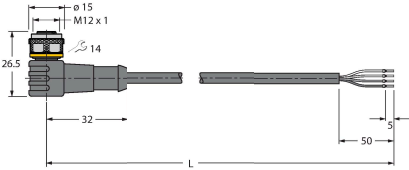
The wiring diagram shows a PNP pin assignment.

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: TL50GYRQ, colors green, yellow and red arranged from bottom to top.

### 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          | ID      |                                                                                                                       |
|-----------------------------------------------------------------------------------|---------------|---------|-----------------------------------------------------------------------------------------------------------------------|
|  | WKC4.4T-2/TEL | 6625025 | Connection cable, M12 female connector, angled, 4-pin, cable length: 2 m, jacket material: PVC, black; cULus approval |