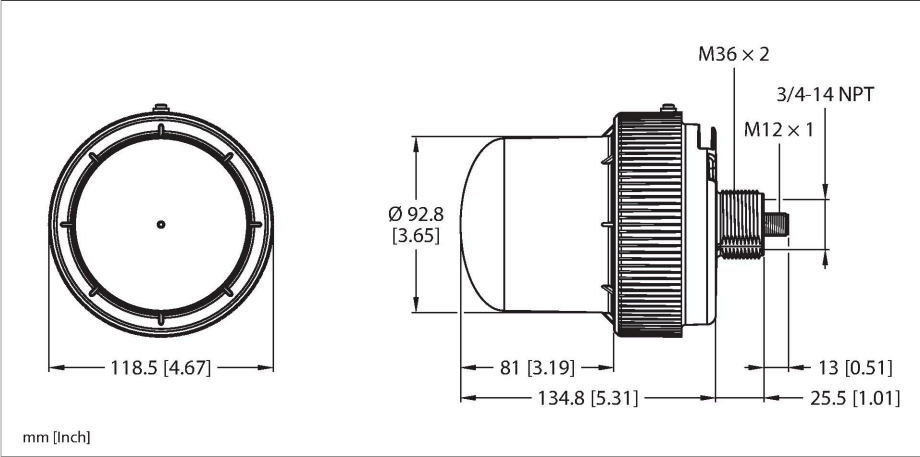


K100PBLGBRAQ  
LED Signal Light



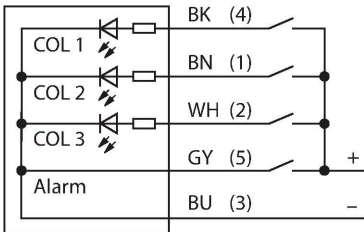
Technical data

|                                  |                      |
|----------------------------------|----------------------|
| Type                             | K100PBLGBRAQ         |
| ID                               | 3814224              |
| Signal and display data          |                      |
| Purpose                          | LED indicator light  |
| Light type                       | Green<br>Blue<br>Red |
| Aperture angle degree            | 360 °                |
| LED service life (L70)           | 42000 h              |
| Dimmable                         | Programmable         |
| Features of color 1              | Green, 360 lm        |
| Features of color 2              | Blue, 165 lm         |
| Features of color 3              | Red, 155 lm          |
| Acoustic signal                  | programmable, 101 dB |
| Electrical data                  |                      |
| Operating voltage $U_B$          | 12...48 VDC          |
| DC rated operating current $I_a$ | ≤ 425 mA             |
| Input power                      | 13.68 W              |
| Response time typical            | < 200 ms             |
| Mechanical data                  |                      |
| Cascadable                       | No                   |
| Design                           | Dome                 |
| Dimensions                       | Ø 118.5 x 173.3 mm   |
| Housing material                 | Plastic, PC          |
| Electrical connection            | Connector, M12 × 1   |
| with motion switch               | no                   |
| Ambient temperature              | -40...+60 °C         |

Features

- All-round LED display
- Mechanical screw-in thread M36 × 2.0
- Protection class IP66
- Colors: Green (COL 1)/Blue (COL 2)/Red (COL 3)
- M12 × 1 male connector, 5-pin
- Continuous beep: 101 dB, configurable with Pro Editor

Wiring diagram



Functional principle

These indicator lights have color LEDs, depending on their type designation. Four input signals can be used to control up to three light colors and to activate the optional beeper. With the Pro Editor software, these lights can be assigned user-defined animations in the advanced settings and the functionality of the beeper can be adjusted. The major advantage of these LEDs is the color fidelity and luminance. The wiring diagram shows a PNP pin assignment.

Technical data

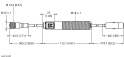
|                     |               |
|---------------------|---------------|
| Storage temperature | -40...+70 °C  |
| Relative humidity   | 90 %          |
| Protection class    | IP66          |
| Tests/approvals     |               |
| Approvals           | CE, UL listed |

|      |   |   |   |   |   |   |   |
|------|---|---|---|---|---|---|---|
|      | R | Y | G | T | B | M | W |
| COL1 | × | × |   |   |   | × | × |
| COL2 |   | × | × | × |   |   | × |
| COL3 |   |   |   | × | × | × | × |

Accessories

|           |         |           |         |
|-----------|---------|-----------|---------|
| LMB36RA   | 3813539 | SA-M36E12 | 3813537 |
| SA-M36SOP | 3813538 |           |         |

Accessories

| Dimension drawing                                                                   | Type         | ID      |                                                                                                                                                                                                                                                                                         |
|-------------------------------------------------------------------------------------|--------------|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | MQDC-506-USB | 3803770 | USB serial converter, for parameterizing PRO indicator lights or sensors via PC, female connector, M12 × 1, 5-pin to plug, USB type A, length 0.7 m, can be extended to a maximum of 30 m, supplies the connected device with 20 V, supports Windows 7 (driver required) and Windows 10 |