

# K90TLBGYRNQ

## LED Indicator – Beacon



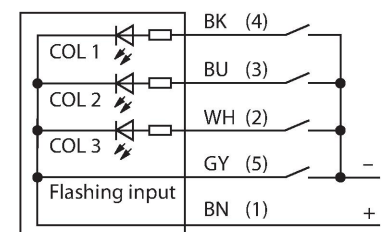
### Technical data

|                                    |                                |
|------------------------------------|--------------------------------|
| Type                               | K90TLBGYRNQ                    |
| ID                                 | 3092874                        |
| Signal and display data            |                                |
| Purpose                            | LED indicator light            |
| Function                           | Spotlight                      |
| Light type                         | Blue<br>Green<br>Yellow<br>Red |
| LED service life (L70)             | 50000 h                        |
| Dimmable                           | No                             |
| Features of color 1                | Blue, Permanently on, 55 lm    |
| Features of color 2                | Green, 150 lm                  |
| Features of color 3                | Yellow, 35 lm                  |
| Features of color 4                | Red, 65 lm                     |
| Electrical data                    |                                |
| Operating voltage                  | 12...30 VDC                    |
| Max. current consumption per color | 475 mA                         |
| Input power                        | 5.7 W                          |
| Input type                         | minus-schaltend                |
| Response time typical              | < 150 ms                       |
| Mechanical data                    |                                |
| Cascadable                         | No                             |
| Design                             | Dome, K90L                     |
| Dimensions                         | Ø 90 x 87 mm                   |
| Housing material                   | Plastic, PC                    |
| Window material                    | Polycarbonate, diffuse         |
| Electrical connection              | Connector, M12 × 1, PVC        |

### Features

- All-round LED display
- Protection class IP67
- Mechanical screw-in thread M30 x 1.5
- M12 x 1 male, 5-pin
- Colors: Blue (COL 1), Green (COL 2), Yellow (COL 3), Red (COL 4)
- Alternates between colors when multiple inputs are active
- Operating voltage: 12...30 VDC
- Individually controllable
- Inputs: NPN

### Wiring diagram



### Functional principle

The LED display is suitable for industrial use thanks to its rugged design in protection class IP67. The LED display is on during the input signal period. Only a color at any time lights up. The simultaneous control of several colors provides for a cyclic change of colors.

Technical data

|                     |               |
|---------------------|---------------|
| Number of cores     | 5             |
| Ambient temperature | -40...+50 °C  |
| Protection class    | IP67          |
| Tests/approvals     |               |
| Approvals           | CE, UL listed |

Accessories

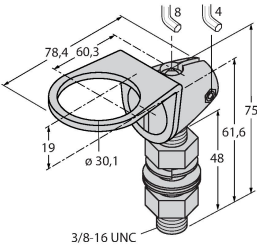
|        |         |
|--------|---------|
| SMB30A | 3032723 |
|--------|---------|

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      |                                                                                                                         |
|-------------------|---------------|---------|-------------------------------------------------------------------------------------------------------------------------|
|                   | RKC4.5T-2/TEL | 6625016 | Connection cable, M12 female connector, straight, 5-pin, cable length: 2 m, jacket material: PVC, black; cULus approval |
|                   | WKC4.5T-2/TEL | 6625028 | Connection cable, M12 female connector, angled, 5-pin, cable length: 2 m, jacket material: PVC, black; cULus approval   |