

# LED Signal Light Beacon K50LIYXXP



|      |           |
|------|-----------|
| Type | K50LIYXXP |
| ID   | 3028637   |

|                         |                        |
|-------------------------|------------------------|
| Signal and display data |                        |
| Purpose                 | LED indicator light    |
| Function                | Spotlight              |
| Light type              | Yellow                 |
| LED service life (L70)  | 50000 h                |
| Dimmable                | No                     |
| Features of color 1     | Yellow, Permanently on |
| Special features        | Wash down              |

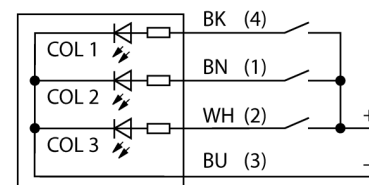
|                                  |             |
|----------------------------------|-------------|
| Electrical data                  |             |
| Operating voltage $U_o$          | 18...30 VDC |
| DC rated operating current $I_o$ | ≤ 40 mA     |
| Input type                       | PNP         |
| Response time typical            | < 1 ms      |

|                       |                        |
|-----------------------|------------------------|
| Mechanical data       |                        |
| Cascadable            | No                     |
| Design                | Dome, K50L             |
| Dimensions            | Ø 50 x 58 mm           |
| Housing material      | Plastic, PC, Black     |
| Window material       | Polycarbonate, diffuse |
| Electrical connection | Cable, 2 m, PVC        |
| Number of cores       | 4                      |
| Ambient temperature   | -40...+50 °C           |
| Relative humidity     | 0...90%                |
| Protection class      | IP67                   |
|                       | IP69                   |

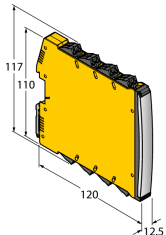
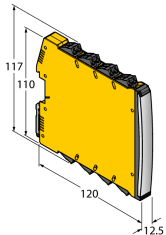
|                 |                                           |
|-----------------|-------------------------------------------|
| Tests/approvals |                                           |
| MTTF            | 249 years acc. to SN 29500 (Ed. 99) 40 °C |
| Approvals       | CE, IECEx                                 |
| Approvals       | ATEX II 1 GD                              |

- LED all-round visible
- ATEX category II 1 G, Ex-zone 0
- ATEX category II 1 D, Ex-zone 20
- Individually controllable
- Mechanical screw-in thread M30 x 1.5
- Protection classes IP67/IP69K
- Monochrome: Yellow (COL 1)
- Cable, 2 m
- It is envisaged to control always only one color with the appropriate equipment
- ATEX II 1 G approval
- Gases and vapors IIC group, Zone 0
- ATEX II 1 D approval
- Dusts IIIC group, Zone 20
- When used in hazardous areas, the special conditions of the approval must be observed

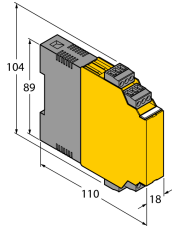
## Wiring Diagram



## Accessories

| Type code                    | Ident no. |                                                                                                                                                                                 | Dimension drawing                                                                   |
|------------------------------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| IMX12-<br>DO01-1U-1U-0/24VDC | 7580101   | Solenoid driver; 1-channel; SIL 2 acc. to IEC 61508; Ex-proof version; monitoring of wire-break and short-circuit; removable screw terminals; 12.5 mm wide; 24 VDC power supply |  |
| IMX12-<br>DO01-2U-2U-0/24VDC | 7580105   | Solenoid driver; 2-channel; SIL 2 acc. to IEC 61508; Ex-proof version; monitoring of wire-break and short-circuit; removable screw terminals; 12.5 mm wide; 24 VDC power supply |  |

## Function accessories

| Type code   | Ident no. |                 | Dimension drawing                                                                     |
|-------------|-----------|-----------------|---------------------------------------------------------------------------------------|
| IM72-11EX/L | 7520703   | Screw terminals |  |