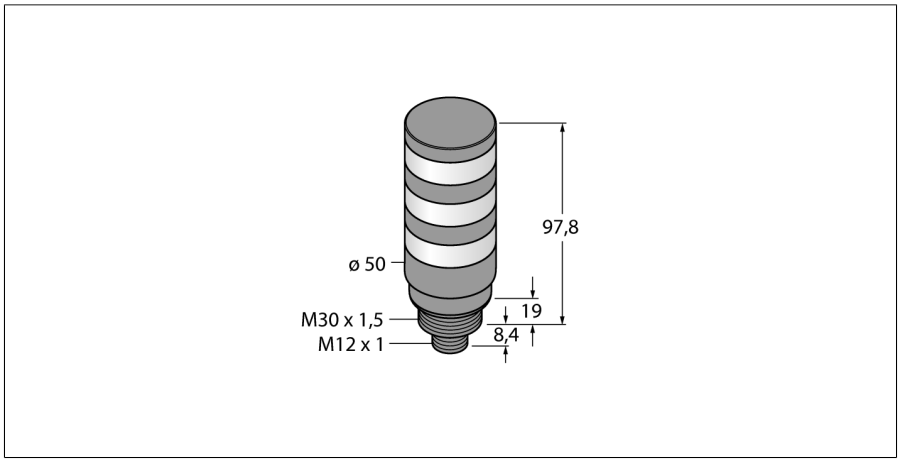
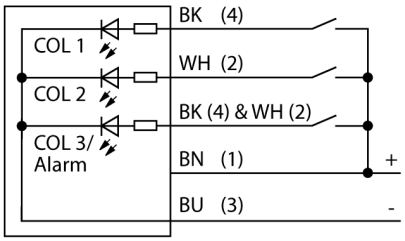
LED Signal Light
Tower Light
TL50BLGY1R26PQK-804204



- Black plastic housing
- Protection class IP67
- EMI and RFI immune
- Male M12x1
- Colors: Green (COL 1)/Yellow rotating (COL 2)/Red flashing (COL 3)
- Operating voltage: 18…30 VDC or 24 VAC
- Integrated microcontroller
- Compatible with IO block
- Activation of the 3 colors via pin 2 and 4
- Inputs: PNP/NPN
- Kit includes SMBAMS30RA mounting bracket plus the following bolts and nuts:
  - 1 x flanged socket button screw, M6 × 12 Torx
  - 1 x 10M6 slot nut
  - 2 x M4 × 28 cylinder screw
  - 2 x 10M4 slot nut

Type	TL50BLGY1R26PQK-804204
ID	3804204
Signal and display data	
Purpose	LED indicator light
Function	Tower light
Light type	Green Yellow Red
Dimmable	No
Electrical data	
Operating voltage U_B	12…30 VDC
DC rated operating current I_e	≤ 125 mA
Operating voltage U_B	21…27VAC
AC rated operational current	≤ 100 mA
Communication protocol	IO-Link
Input type	PNP
Response time typical	< 1 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
Mechanical data	
Cascadable	No
Design	Cylinder, threaded, TL50BL
Dimensions	Ø 50 x 106.2 mm
Housing material	Plastic, ABS
Window material	Acrylic, clear
Electrical connection	Connector, M12 × 1
Ambient temperature	-40…+50 °C
Protection class	IP67

Wiring Diagram



Functional principle

The rugged multifunction TL50 beacon is available in many variations and is easily mounted. Each signal tower can be assembled from a maximum of four varicolored LEDs, with or without a beeper. You can also choose from three different lighting functions (steady, rotating, flashing). The lighting function is indicated in the type code after the color (no number: steady; 1: rotating; 2: flashing). Clearly visible status displays for indoor and outdoor applications.

The wiring diagram shows a PNP pin assignment.

5 colors are available, blue (B), green (G), red (R), yellow (Y) and white (W), which specify the light sequence from bottom to top in the type designation of the tower light. Example: TL50GYRQ, designates the colors green, yellow and red from bottom to top.

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Tests/approvals	
Approvals	CE, UL listed

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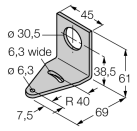
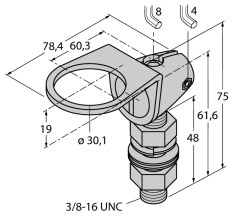
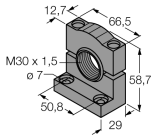
Accessories

Type code	Ident no.		Dimension drawing
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	

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