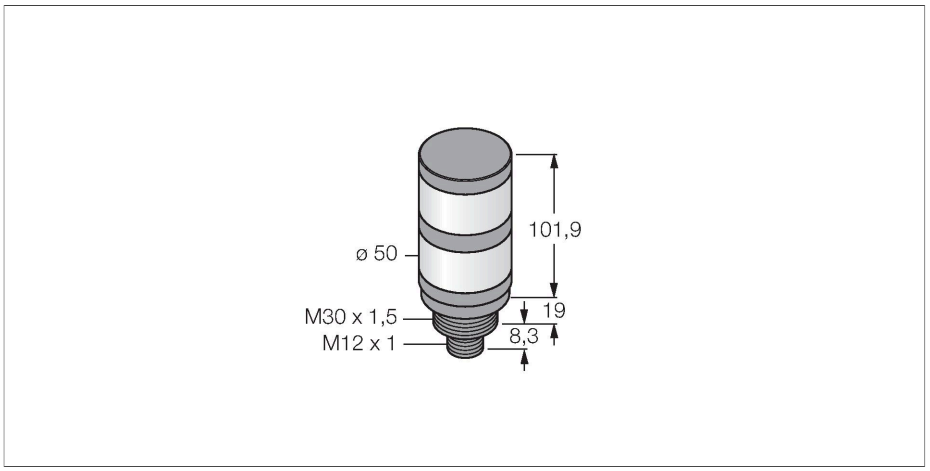
TL50HGRQ
LED Indicator – High-intensity Tower Light





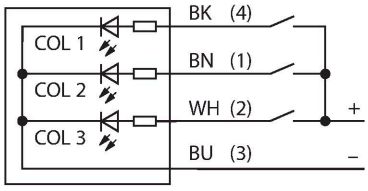
Technical data

Type	TL50HGRQ
ID	3014584
Signal and display data	
Purpose	LED indicator light
Function	Tower light
Light type	Green Red
Dimmable	no
Features of color 1	Green, Permanently on, 60 lm
Features of color 2	Red, Permanently on, 32 lm
Electrical data	
Operating voltage	18…30 VDC
DC rated operational current	≤ 100 mA
Operating voltage	21…27 VAC
AC rated operational current	≤ 100 mA
Max. current consumption per color	100 mA
Input type	Bipolar (PNP/NPN)
Response time typical	< 10 ms
Mechanical data	
Cascadable	No
Design	Smooth barrel, TL50H
Dimensions	Ø 50 x 129.2 x 129.2 mm
Housing material	Plastic, ABS, Black
Window material	Polycarbonate, diffuse
Electrical connection	Connector, M12 × 1, PVC
Number of cores	4
Ambient temperature	-40…+50 °C

Features

- Plastic housing, black
- EMI and RFI immune
- Protection class IP67
- Male M12 x 1
- Multicolor: Green (COL 1) / Red (COL 2)
- Operating voltage: 18…30 VDC or 24 VAC with 45 mA per LED color
- Inputs: PNP/NPN

Wiring diagram



Functional principle

The TL50H tower lights, in the high-brightness version, 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 monitoring locations of production lines.
The wiring diagram shows a PNP pin assignment.
There are 5 colors available, blue (B), green (G), red (R), yellow (Y) and white (W), 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 buttom to top.

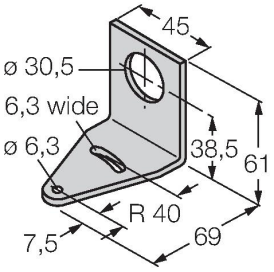
TL50HGRQ | 19-01-2022 05-18 | Technical modifications reserved

Technical data

Relative humidity	0…95 %
Protection class	IP67
Tests/approvals	
Approvals	CE, UL listed

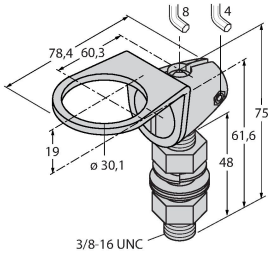
Accessories

SMB30A	3032723



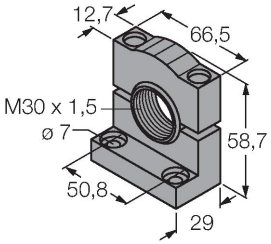
Mounting bracket, rectangular, stainless steel, for sensors with 30mm thread

SMB30FA	3074005



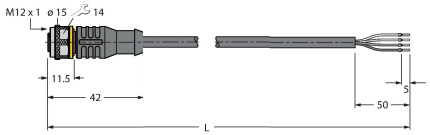
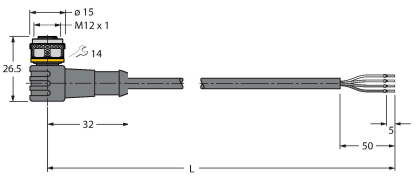
Montagewinkel; Werkstoff VA 1.4401

SMB30SC	3052521



Mounting bracket, PBT black, for sensors with 30 mm thread, rotatable

Accessories

Dimension drawing	Type	ID	
	RKC4.4T-2/TEL	6625013	Connection cable, female M12, straight, 4-pin, cable length: 2 m, sheath material: PVC, black; cULus approval; other cable lengths and qualities available, see www.turck.com
	WKC4.4T-2/TEL	6625025	Connection cable, female M12, angled, 4-pin, cable length: 2 m, sheath material: PVC, black; cULus approval; other cable lengths and qualities available, see www.turck.com

TL50HGRQ | 19-01-2022 05-18 | Technical modifications reserved