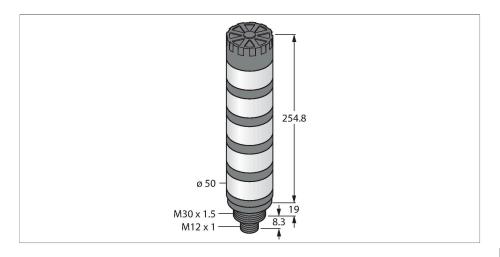


TL505AKQ LED Indicator – Tower Light





Signal and display data Purpose LED indicator light Function Tower light Light type RGB Dimmable Programmable Features of color 1 RGB, Programmable Acoustic signal Continuous tone, 92 dB Electrical data Operating voltage 1830 VDC DC rated operational current ≤ 45 mA Operating voltage 2127 VAC Max. current consumption per color 100 mA Max. current consumption of beeper 25 mA Communication protocol IO-Link Input type Communication protocol Response time typical < 20 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 26	Type	TL505AKQ
Purpose LED indicator light Function Tower light Light type RGB Dimmable Programmable Features of color 1 RGB, Programmable Acoustic signal Continuous tone, 92 dB Electrical data Operating voltage 1830 VDC DC rated operational current ≤ 45 mA Operating voltage 2127 VAC Max. current consumption per color 100 mA Max. current consumption of beeper 25 mA Communication protocol IO-Link Input type Communication protocol Response time typical < 20 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	ID	3804946
Function Tower light Light type RGB Dimmable Programmable Features of color 1 RGB, Programmable Acoustic signal Continuous tone, 92 dB Electrical data Operating voltage 1830 VDC DC rated operational current ≤ 45 mA Operating voltage 2127 VAC Max. current consumption per color 100 mA Max. current consumption of beeper 25 mA Communication protocol IO-Link Input type Communication protocol Response time typical < 20 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	Signal and display data	
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Operating voltage 2127 VAC Max. current consumption per color 100 mA Max. current consumption of beeper 25 mA Communication protocol IO-Link Input type Communication protocol Response time typical < 20 ms IO-Link IO-Link IO-Link 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	Operating voltage	1830 VDC
Max. current consumption per color Max. current consumption of beeper Communication protocol Input type Communication protocol Response time typical IO-Link IO-Link IO-Link IO-Link IO-Link IO-Link specification V 1.1 Communication mode COM 2 (38.4 kBaud) Process data width Frame type Type_2_2 Function pin 4 IO-Link Maximum cable length 20 m	DC rated operational current	≤ 45 mA
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Communication protocol Input type Communication protocol Response time typical IO-Link 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	Max. current consumption per color	100 mA
Input type Communication protocol Response time typical < 20 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	Max. current consumption of beeper	25 mA
Response time typical < 20 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	Communication protocol	IO-Link
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	Input type	Communication protocol
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	Response time typical	< 20 ms
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	IO-Link	
Process data width Frame type Type_2_2 Function pin 4 Maximum cable length 16 bit Type_2_2 IO-Link 20 m	IO-Link specification	V 1.1
Frame type Type_2_2 Function pin 4 IO-Link Maximum cable length 20 m	Communication mode	COM 2 (38.4 kBaud)
Function pin 4 IO-Link Maximum cable length 20 m	Process data width	16 bit
Maximum cable length 20 m	Frame type	Type_2_2
	Function pin 4	IO-Link
L. L. L. H. OIDLOODM	Maximum cable length	20 m
Included in the SIDI GSDML Yes	Included in the SIDI GSDML	Yes



Features

- ■Plastic housing, black
- ■EMI and RFI immune
- ■Protection class IP50
- ■M12 x 1 male
- Flexible display with RGB LEDs
- Control of user-defined or predefined light colors
- Flashing function, alternation, two-colored display and intensity check
- Control and parametrization exclusively via IO-Link
- ■Beeper max. 92 dB

Wiring diagram



Functional principle

The TL50 tower lights 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 10 colors available blue (B), green (G), red (R), yellow (Y), white (W), turquoise (T), orange (O), violet (V), sky blue (S) and magenta (M), 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

Mechanical data	
Cascadable	No
Design	Smooth barrel, TL50
Dimensions	Ø 50 x 282.1 mm
Housing material	Plastic, ABS, Black
Window material	Polycarbonate, diffuse
Electrical connection	Connector, M12 × 1, PVC
Number of cores	4
Ambient temperature	-20+50 °C
Relative humidity	095 %
Protection class	IP50
Tests/approvals	
Approvals	CE, UL listed

Accessories

SMB30A	3032723
	Mounting bracket, rectangular, stainless steel, for sensors with 30mm

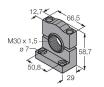
thread





3074005 Montagewinkel; Werkstoff VA 1.4401

SMB30SC	3052521
	Mounting bracket, PBT black, for



Accessories

Dimension drawing	Туре	ID
	RKC4.4T-2/TEL	6625013



Connection cable, M12 female connector, straight, 4-pin, cable length: 2 m, jacket material: PVC, black; cULus approval



Dimension drawing

Type

WKC4.4T-2/TEL

6625025

Connection cable, M12 female connector, angled, 4-pin, cable length: 2 m, jacket material: PVC, black; cULus approval