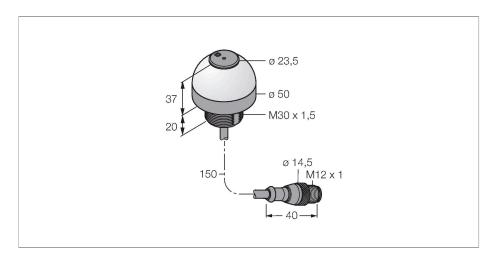
# K50L2RGB7A1QP | 04-03-2025 13-05 | Technical modifications reserved

# K50L2RGB7A1QP LED Signal Light – Beacon with Audible Signal





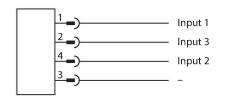
Signal and display data	Туре	K50L2RGB7A1QP
Purpose LED indicator light  Function Spotlight  Light type RGB  Dimmable No  Features of color 1 Red, Permanently on, 6.3 Im  Features of color 2 Green, 21.4 Im  Features of color 3 Blue, 4.7 Im  Features of color 4 Yellow, 17.2 Im  Features of color 5 White, 21.3 Im  Features of color 6 Magenta, 8.5 Im  Features of color 7 25.1 Im  Acoustic signal Continuous tone, 75 dB  Electrical data  Operating voltage U <sub>8</sub> 1830 VDC  DC rated operating current I <sub>e</sub> ≤ 40 mA  Max. current consumption per color 220 mA  Input type Bipolar (PNP/NPN)  Response time typical < 250 ms  Mechanical data  Cascadable No  Dome, K50L	ID	3802149
Function  Light type  RGB  Dimmable  No  Features of color 1  Red, Permanently on, 6.3 Im  Features of color 2  Green, 21.4 Im  Features of color 3  Blue, 4.7 Im  Features of color 4  Yellow, 17.2 Im  Features of color 5  White, 21.3 Im  Features of color 6  Magenta, 8.5 Im  Features of color 7  25.1 Im  Acoustic signal  Continuous tone, 75 dB  Electrical data  Operating voltage U <sub>8</sub> DC rated operating current I <sub>8</sub> Max. current consumption per color  Max. current consumption of beeper  Input type  Bipolar (PNP/NPN)  Response time typical  No  Design  Dome, K50L	Signal and display data	
Light type RGB  Dimmable No  Features of color 1 Red, Permanently on, 6.3 Im  Features of color 2 Green, 21.4 Im  Features of color 3 Blue, 4.7 Im  Features of color 4 Yellow, 17.2 Im  Features of color 5 White, 21.3 Im  Features of color 6 Magenta, 8.5 Im  Features of color 7 25.1 Im  Acoustic signal Continuous tone, 75 dB  Electrical data  Operating voltage U₅ 1830 VDC  DC rated operating current I₅ ≤ 40 mA  Max. current consumption per color 220 mA  Max. current consumption of beeper 220 mA  Input type Bipolar (PNP/NPN)  Response time typical < 250 ms  Mechanical data  Cascadable No  Dome, K50L	Purpose	LED indicator light
Dimmable  No  Features of color 1  Red, Permanently on, 6.3 Im  Features of color 2  Green, 21.4 Im  Features of color 3  Blue, 4.7 Im  Features of color 4  Yellow, 17.2 Im  Features of color 5  White, 21.3 Im  Features of color 6  Magenta, 8.5 Im  Features of color 7  25.1 Im  Acoustic signal  Continuous tone, 75 dB  Electrical data  Operating voltage U₀  DC rated operating current I₀  Max. current consumption per color  Max. current consumption of beeper  220 mA  Input type  Bipolar (PNP/NPN)  Response time typical  No  Design  Dome, K50L	Function	Spotlight
Features of color 1  Features of color 2  Green, 21.4 Im  Features of color 3  Blue, 4.7 Im  Features of color 4  Yellow, 17.2 Im  Features of color 5  White, 21.3 Im  Features of color 6  Magenta, 8.5 Im  Features of color 7  25.1 Im  Acoustic signal  Continuous tone, 75 dB  Electrical data  Operating voltage U <sub>B</sub> DC rated operating current I <sub>B</sub> Max. current consumption per color  Max. current consumption of beeper  Input type  Bipolar (PNP/NPN)  Response time typical  No  Dome, K50L	Light type	RGB
Features of color 2  Features of color 3  Blue, 4.7 Im  Features of color 4  Yellow, 17.2 Im  Features of color 5  White, 21.3 Im  Features of color 6  Magenta, 8.5 Im  Features of color 7  25.1 Im  Acoustic signal  Continuous tone, 75 dB  Electrical data  Operating voltage U <sub>8</sub> 1830 VDC  DC rated operating current I <sub>9</sub> Max. current consumption per color  Max. current consumption of beeper  Input type  Bipolar (PNP/NPN)  Response time typical  Cascadable  No  Dome, K50L	Dimmable	No
Features of color 3  Features of color 4  Yellow, 17.2 Im  Features of color 5  White, 21.3 Im  Features of color 6  Magenta, 8.5 Im  Features of color 7  25.1 Im  Acoustic signal  Continuous tone, 75 dB  Electrical data  Operating voltage U <sub>B</sub> 1830 VDC  DC rated operating current I <sub>B</sub> Max. current consumption per color  Max. current consumption of beeper  Input type  Bipolar (PNP/NPN)  Response time typical  Cascadable  No  Dome, K50L	Features of color 1	Red, Permanently on, 6.3 Im
Features of color 4  Features of color 5  White, 21.3 Im  Features of color 6  Features of color 7  Acoustic signal  Electrical data  Operating voltage U <sub>8</sub> DC rated operating current I <sub>e</sub> Max. current consumption per color  Max. current consumption of beeper  Input type  Bipolar (PNP/NPN)  Response time typical  Cyellow, 17.2 Im  White, 21.3 Im  Magenta, 8.5 Im  Continuous tone, 75 dB  Electrical data  1830 VDC  240 mA  Bipolar (PNP/NPN)  Response time typical  Cascadable  No  Design  Dome, K50L	Features of color 2	Green, 21.4 lm
Features of color 5 White, 21.3 Im  Features of color 6 Magenta, 8.5 Im  Features of color 7 25.1 Im  Acoustic signal Continuous tone, 75 dB  Electrical data  Operating voltage U <sub>B</sub> 1830 VDC  DC rated operating current I <sub>B</sub> ≤ 40 mA  Max. current consumption per color 220 mA  Max. current consumption of beeper 220 mA  Input type Bipolar (PNP/NPN)  Response time typical < 250 ms  Mechanical data  Cascadable No  Design Dome, K50L	Features of color 3	Blue, 4.7 lm
Features of color 6  Features of color 7  25.1 Im  Acoustic signal  Continuous tone, 75 dB  Electrical data  Operating voltage U <sub>B</sub> 1830 VDC  DC rated operating current I <sub>e</sub> Max. current consumption per color  Max. current consumption of beeper  Input type  Bipolar (PNP/NPN)  Response time typical  Cascadable  No  Design  Magenta, 8.5 Im  Magenta, 8.5 Im  Magenta, 8.5 Im  Estimate No  Bipolar (PNP/NBN)  Continuous tone, 75 dB  1830 VDC  240 mA  Bipolar (PNP/NPN)  Cascadable  No  Dome, K50L	Features of color 4	Yellow, 17.2 Im
Features of color 7  25.1 Im  Acoustic signal  Continuous tone, 75 dB  Electrical data  Operating voltage U <sub>B</sub> 1830 VDC  DC rated operating current I <sub>B</sub> Max. current consumption per color  Max. current consumption of beeper  Input type  Bipolar (PNP/NPN)  Response time typical  Cascadable  No  Design  Dome, K50L	Features of color 5	White, 21.3 Im
Acoustic signal  Electrical data  Operating voltage U <sub>B</sub> DC rated operating current I <sub>B</sub> Max. current consumption per color  Input type  Response time typical  Cascadable  No  Design  Continuous tone, 75 dB  Electrical data  1830 VDC  240 mA  220 mA  Binut 220 mA  Bipolar (PNP/NPN) <a href="#"> &lt;</a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a>	Features of color 6	Magenta, 8.5 lm
Electrical data  Operating voltage U <sub>B</sub> DC rated operating current I <sub>B</sub> Max. current consumption per color  Max. current consumption of beeper  Input type  Bipolar (PNP/NPN)  Response time typical  Cascadable  No  Design  Dome, K50L	Features of color 7	25.1 lm
Operating voltage U <sub>B</sub> 1830 VDC         DC rated operating current I <sub>B</sub> ≤ 40 mA         Max. current consumption per color       220 mA         Max. current consumption of beeper       220 mA         Input type       Bipolar (PNP/NPN)         Response time typical       < 250 ms	Acoustic signal	Continuous tone, 75 dB
DC rated operating current I₀ ≤ 40 mA  Max. current consumption per color 220 mA  Max. current consumption of beeper 220 mA  Input type Bipolar (PNP/NPN)  Response time typical < 250 ms  Mechanical data  Cascadable No  Design Dome, K50L	Electrical data	
Max. current consumption per color 220 mA  Max. current consumption of beeper 220 mA  Input type Bipolar (PNP/NPN)  Response time typical < 250 ms  Mechanical data  Cascadable No  Design Dome, K50L	Operating voltage U <sub>B</sub>	1830 VDC
Max. current consumption of beeper 220 mA  Input type Bipolar (PNP/NPN)  Response time typical < 250 ms  Mechanical data  Cascadable No  Design Dome, K50L	DC rated operating current I <sub>e</sub>	≤ 40 mA
Input type Bipolar (PNP/NPN)  Response time typical < 250 ms  Mechanical data  Cascadable No  Design Dome, K50L	Max. current consumption per color	220 mA
Response time typical < 250 ms  Mechanical data  Cascadable No  Design Dome, K50L	Max. current consumption of beeper	220 mA
Mechanical data Cascadable No Design Dome, K50L	Input type	Bipolar (PNP/NPN)
Cascadable No Design Dome, K50L	Response time typical	< 250 ms
Design Dome, K50L	Mechanical data	
	Cascadable	No
Dimensions Ø 50 x 57 mm	Design	Dome, K50L
	Dimensions	Ø 50 x 57 mm



### **Features**

- ■LED all-round visible
- ■Continuous signal: 75dB
- ■Individually controllable
- Mechanical screw-in thread M30x1.5
- ■Protection class IP50
- ■In the standard settings, up to seven colors can be displayed in accordance with the logic table (COL 1, COL 2, COL 3, flashing function)
- Can be configured using Pro Editor, can display up to 14 colors, various lighting animations, configurable I/O-block compatibility
- Cable with male end M12 x 1, 5-pin
- Operating voltage 18...30 VDC

# Wiring diagram



### Functional principle

The rugged and IP50 rated LED is qualified for industrial environments. Depending on the connection, one of the three colors lights steady for the duration of a PNP input signal.

	R	Υ	G	Т	В	Μ	W
COL1	X	×				X	×
COL2		×	×	×			×
COL3				×	×	X	×



# Technical data

Housing material	Plastic, PC, Black	
Window material	Polycarbonate, diffuse	
Electrical connection	Cable with connector, M12 × 1, 0.15 m, PVC	
Number of cores	5	
Ambient temperature	-20+50 °C	
Relative humidity	090 %	
Protection class	IP50	
Tests/approvals		
Approvals	CE, UL listed	

# Accessories

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

12.7 66.5 0 7 58.7

SMB30SC

3052521 Mounting bracket, PBT black, for sensors with 30 mm thread, rotatable

# Accessories

Dimension drawing	Type	ID	
M12 x 1 o 15	RKC4.5T-2/TEL	6625016	Connection cable, M12 female connector, straight, 5-pin, cable length: 2 m, jacket material: PVC, black; cULus approval
015 M12x1 265	WKC4.5T-2/TEL	6625028	Connection cable, M12 female connector, angled, 5-pin, cable length: 2 m, jacket material: PVC, black; cULus approval