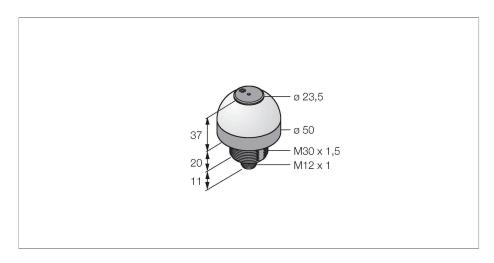


# K50L2RGBKA1Q LED Indicator – Beacon with Audible Signal





ID 3802160  Signal and display data Purpose LED indicator light  Function Spotlight  Light type RGB Dimmable Programmable  Features of color 1 RGB, Can be set via IO-Link  Acoustic signal Key adjustable, 75 dB  Special features Wash down  Electrical data Operating voltage 1830 VDC  DC rated operational current ≤ 40 mA  Max. current consumption per color 150 mA  Max. current consumption of beeper 220 mA  Communication protocol IO-Link  Input type Communication protocol  Response time typical < 30 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	Туре	K50L2RGBKA1Q		
Purpose LED indicator light  Function Spotlight  Light type RGB  Dimmable Programmable  Features of color 1 RGB, Can be set via IO-Link  Acoustic signal Key adjustable, 75 dB  Special features Wash down  Electrical data  Operating voltage 1830 VDC  DC rated operational current ≤ 40 mA  Max. current consumption per color 150 mA  Max. current consumption of beeper 220 mA  Communication protocol IO-Link  Input type Communication protocol  Response time typical < 30 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	3802160		
Function Spotlight  Light type RGB  Dimmable Programmable  Features of color 1 RGB, Can be set via IO-Link  Acoustic signal Key adjustable, 75 dB  Special features Wash down  Electrical data  Operating voltage 1830 VDC  DC rated operational current ≤ 40 mA  Max. current consumption per color 150 mA  Max. current consumption of beeper 220 mA  Communication protocol IO-Link  Input type Communication protocol <a href="#">Communication protocol</a> Response time typical <30 ms  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	Signal and display data			
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Dimmable       Programmable         Features of color 1       RGB, Can be set via IO-Link         Acoustic signal       Key adjustable, 75 dB         Special features       Wash down         Electrical data       Operating voltage         DC rated operational current       ≤ 40 mA         Max. current consumption per color       150 mA         Max. current consumption of beeper       220 mA         Communication protocol       IO-Link         Input type       Communication protocol         Response time typical       < 30 ms	Function	Spotlight		
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Acoustic signal  Special features  Wash down  Electrical data  Operating voltage  DC rated operational current  Max. current consumption per color  Max. current consumption of beeper  Communication protocol  Input type  Communication protocol  Response time typical  IO-Link	Dimmable	Programmable		
Special features  Electrical data  Operating voltage  DC rated operational current  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  Communication mode  COM 2 (38.4 kBaud)  Process data width  Frame type  Type_2_2  Function pin 4  Maximum cable length  Wash down  Wash down  Ban30 VDC  1830 VDC  An mA  10-Link  IO-Link	Features of color 1	RGB, Can be set via IO-Link		
Electrical dataOperating voltage1830 VDCDC rated operational current≤ 40 mAMax. current consumption per color150 mAMax. current consumption of beeper220 mACommunication protocolIO-LinkInput typeCommunication protocolResponse time typical< 30 ms	Acoustic signal	Key adjustable, 75 dB		
Operating voltage       1830 VDC         DC rated operational current       ≤ 40 mA         Max. current consumption per color       150 mA         Max. current consumption of beeper       220 mA         Communication protocol       IO-Link         Input type       Communication protocol         Response time typical       < 30 ms	Special features	Wash down		
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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  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  IO-Link  20 m	Operating voltage	1830 VDC		
Max. current consumption of beeper 220 mA  Communication protocol IO-Link  Input type Communication protocol  Response time typical < 30 ms  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	DC rated operational current	≤ 40 mA		
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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		
Included in the SIDI GSDML Yes	Maximum cable length	20 m		
	Included in the SIDI GSDML	Yes		



## **Features**

- ■LED all-round visible
- ■Continuous signal: 75dB
- ■Individually controllable
- Mechanical screw-in thread M30x1.5
- ■Protection class IP50
- Up to 12 predefined colors or millions of customized colors can be displayed
- Flashing function, alternation, two-colored displays and intensity check
- Male M12 x 1, 5-pin
- ■Operating voltage 18...30 VDC

## Wiring diagram



## Functional principle

These lights have RGB LEDs. Using IO-Link, 1 of up to 12 predefined colors can be activated or 1 of up to 1,000,000 desired colors can be set using X and Y coordinates. The functions include a flashing function, intensity check and animations such as rotation, alternation and two-colored displays. The major advantage of these LEDs is the color fidelity and luminance. Compared to their predecessors, a large number of variants can be produced with just a single light.



## Technical data

Mechanical data			
Cascadable	No		
Design	Dome, K50L		
Dimensions	Ø 50 x 68 mm		
Housing material	Plastic, PC ABS, Black		
Window material	Polycarbonate, diffuse		
Electrical connection	Connector, M12 × 1, PVC		
Number of cores	4		
Ambient temperature	-20+50 °C		
Relative humidity	090 %		
Protection class	IP50		
Tests/approvals			
Approvals	CE, UL listed		

## Accessories

SMB30A 3032723

Mounting bracket, rectangular,

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

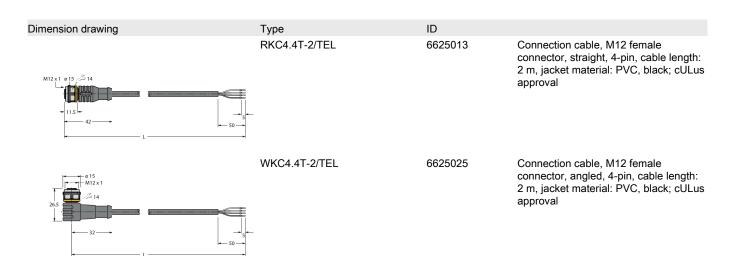
12,7

SMB30SC

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

3052521







Dimension drawing	Туре	ID	
M12 x 1 a 15 14	RKC4.5T-2/TEL	6625016	Connection cable, M12 female connector, straight, 5-pin, cable length: 2 m, jacket material: PVC, black; cULus approval
e 15 M12 x 1 32 32 5 50	WKC4.5T-2/TEL	6625028	Connection cable, M12 female connector, angled, 5-pin, cable length: 2 m, jacket material: PVC, black; cULus approval