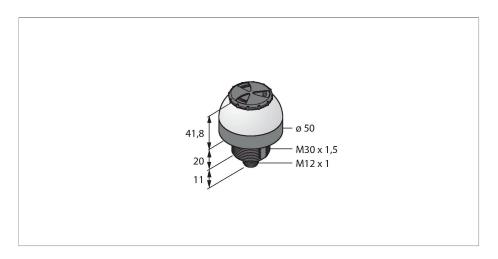


K50L2RGBKALSQ LED Indicator – Beacon with Audible Signal





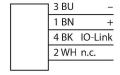
Technical data

ID 3802164 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, 94 dB Special features Wash down Electrical data Operating voltage 1230 VDC DC rated operational current ≤ 65 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	Type	K50L2RGBKALSQ		
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, 94 dB Special features Wash down Electrical data Operating voltage 1230 VDC DC rated operational current ≤ 65 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	ID	3802164		
Function Spotlight Light type RGB Dimmable Programmable Features of color 1 RGB, Can be set via IO-Link Acoustic signal Key adjustable, 94 dB Special features Wash down Electrical data Operating voltage 1230 VDC DC rated operational current ≤ 65 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	Signal and display data			
Light type RGB Dimmable Programmable Features of color 1 RGB, Can be set via IO-Link Acoustic signal Key adjustable, 94 dB Special features Wash down Electrical data Operating voltage 1230 VDC DC rated operational current ≤ 65 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 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	Purpose	LED indicator light		
Dimmable Programmable Features of color 1 RGB, Can be set via IO-Link Acoustic signal Key adjustable, 94 dB Special features Wash down Electrical data Operating voltage DC rated operational current ≤ 65 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		
Features of color 1 RGB, Can be set via IO-Link 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	Light type	RGB		
Acoustic signal Key adjustable, 94 dB Special features Wash down Electrical data Operating voltage 1230 VDC DC rated operational current ≤ 65 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 IO-Link IO-Link Frame type COM 2 (38.4 kBaud) Process data width 16 bit Frame type Function pin 4 Key adjustable, 94 dB Wash down Toman den Com A Electrical data Toman Com A Com A Com A Communication protocol Communication protocol Type_2_2 Function pin 4	Dimmable	Programmable		
Special features Wash down Electrical data Operating voltage 1230 VDC DC rated operational current ≤ 65 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 IO-Link IO-Link Frame type Type_2_2 Function pin 4 Focess data width Frame type Type_2_2 Function pin 4	Features of color 1	RGB, Can be set via IO-Link		
Electrical data Operating voltage 1230 VDC DC rated operational current ≤ 65 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 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	Acoustic signal	Key adjustable, 94 dB		
Operating voltage 1230 VDC DC rated operational current ≤ 65 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		
DC rated operational current ≤ 65 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 IO-Link Communication wode COM 2 (38.4 kBaud) Process data width 16 bit Frame type Type_2_2 Function pin 4	Electrical data			
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 Communication V 1.1 Communication mode COM 2 (38.4 kBaud) Process data width Frame type Type_2_2 Function pin 4 IO-Link	Operating voltage	1230 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	DC rated operational current	≤ 65 mA		
Communication protocol Input type Communication protocol Response time typical 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	Max. current consumption per color	150 mA		
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	Max. current consumption of beeper	220 mA		
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	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	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	Response time typical	< 30 ms		
Communication mode COM 2 (38.4 kBaud) Process data width 16 bit Frame type Type_2_2 Function pin 4 IO-Link	IO-Link			
Process data width 16 bit Frame type Type_2_2 Function pin 4 IO-Link	IO-Link specification	V 1.1		
Frame type Type_2_2 Function pin 4 IO-Link	Communication mode	COM 2 (38.4 kBaud)		
Function pin 4 IO-Link	Process data width	16 bit		
	Frame type	Type_2_2		
Maximum cable length 20 m	Function pin 4	IO-Link		
	Maximum cable length	20 m		
Included in the SIDI GSDML Yes	Included in the SIDI GSDML	Yes		

Features

- ■LED all-round visible
- ■Continuous signal: 94dB
- ■Individually controllable
- Mechanical screw-in thread M30 x 1.5
- ■Protection class IP67
- 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 12...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 73 mm
Housing material	Plastic, PC Thermoplastic material, 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	IP66 IP67
Tests/approvals	
Approvals	CE, UL listed

Accessories

SMB30A 3032723

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

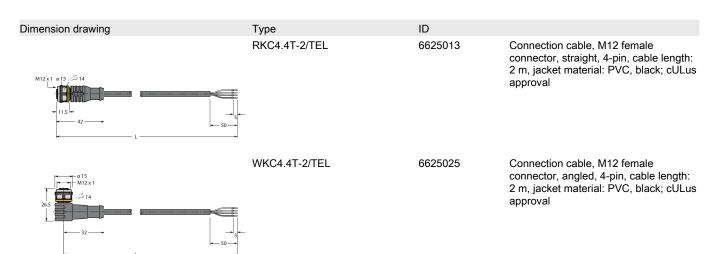
12,7 66,5 0 7 50,8

SMB30SC

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

3052521

Accessories





Dimension drawing	Туре	ID	
M12x1 015 /5 14 11.5 4 42	RKC4.5T-2/TEL	6625016	Connection cable, M12 female connector, straight, 5-pin, cable length: 2 m, jacket material: PVC, black; cULus approval
0 15 M12 x 1 20.5 32	WKC4.5T-2/TEL	6625028	Connection cable, M12 female connector, angled, 5-pin, cable length: 2 m, jacket material: PVC, black; cULus approval