



210522
SB-RGB-480-K-B5
Signal lighting

- High illuminance due to state-of-the-art, highly efficient LEDs
- Easy operation is also possible without IO-Link
- Freely configurable functions via IO-Link
- Long life thanks to intelligent thermal management
- Large light field for optimal display of the machine status
- Can be used immediately thanks to three color pre-sets: red - green - yellow
- High protection type IP 67
- Magnetic holder set available as an option
- Adjustable mounting angle optionally available
- Pluggable diffusion filter optionally available



1) Illuminated area

BK: black
BN: brown

BU: blue
GY: grey

WH: white

Pre-Sets / Factory settings		
Trigger 1	Trigger 2	Farbe / Color
Lo	Lo	aus / off
Hi	Lo	rot / red
Lo	Hi	grün / green
Hi	Hi	gelb / yellow

Function										

Technical data (typ.)	+20°C, 24 V DC
Service voltage	24 V DC (± 5%, Supply Class 2)
Internal power consumption	385 mA / 750 mA RMS Peak (24 V DC)
Power	9.2 W (24 V DC)
Inverse polarity protection	Yes
Illuminated area	440 x 30 mm
Housing length	480 mm
Housing height	10 mm
Housing width	40 mm
Housing material	Aluminum (Black, Anodized)
Material	PU, crystal clear (Window)
Weight	390 g
Protection class	III, operation on protective low voltage
Risk group (DIN EN 62471)	Free group
Approvals	UL
Model	Signal lighting
Product series	SB-RGB
Number of segments (max)	1
Operation modes	constant, flashing, blinking
Light intensity can be adjusted	10 to 100 %, via IO-Link
Trigger input high level	> 8.0 V
Trigger input low level	< 5.0 V
Trigger input	3 color presets: selectable via trigger 1 + 2
Interface	<ul style="list-style-type: none"> ■ IO-Link (V1.1, COM2 38.4 kBd, 2300 µs) ■ for parameterization (process data)
Light source	LED
Color	RGB (user-defined)



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Technical data (typ.)	+20°C, 24 V DC
Deflection angle FWHM	120°
Shock/vibration load	30 g, 11 ms / 10 ... 55 Hz, 1.0 mm
Ambient temperature during operation	0 ... +40 °C
Protection type	IP 67
Connection	Pigtail, 0.3 m, M12, 5-pin
Connection cable	VK ... /5
More information / accessories	https://www.di-soric.com/210522