

210934

MB-RGBW-481-K-B5

Machine lighting with signal lighting element

- High light intensity thanks to state-of-the art Power LEDs
- Easy operation is also possible without IO-Link
- Very good color reproduction guarantees safety at the work-place (color rendering index 85)
- Large light field for optimal display of the machine status
- Freely configurable functions via IO-Link
- Long life thanks to intelligent thermal management
- High-performance LEDs with very high light intensity ensure reliable and even illumination
- Can be used immediately thanks to three color pre-sets: red - green - yellow
- High protection type IP 67
- Pluggable diffusion filter optionally available



1) Illuminated area
2) Lighting element (RGB)
3) Lighting element (white)

BN 1 ⊕
WH 2 ⊕ Trigger 1
BK 4 ⊖ Trigger 3
BU 3 ⊖
GY 5 ⊕ Trigger 2

BK: black
BN: brown
BU: blue
GY: grey
WH: white

Pre-Sets/Factory settings			
TRIG 1	TRIG 2	TRIG 3	Farbe/Color
Lo	Lo		RGB: aus/off
Hi	Lo		RGB: rot/red
Lo	Hi		RGB: grün/green
Hi	Hi		RGB: gelb/yellow
		Lo	WH: aus/off
		Hi	WH: ein/on

Function											

Technical data (typ.)	+20°C, 24 V DC
Service voltage	24 V DC (± 5%, Supply Class 2)
Internal power consumption	650 mA (24 V DC)
Power	< 15.6 W (24 V DC)
Inverse polarity protection	Yes
Illuminated area	440 x 30 mm
Housing material	Aluminum (natural, Anodized)
Material	PU, crystal clear (Window)
Weight	390 g
Protection class	III, operation on protective low voltage
Risk group (DIN EN 62471)	Free group
Model	Machine lighting with signal lighting element
Product series	MB-RGBW
Operation modes	RGB: constant, blinking, flashing
Light intensity can be adjusted	RGB
Trigger input high level	> 8.0 V
Trigger input low level	< 5.0 V
Trigger input	3 color presets: selectable via trigger 1 + 2 (White: selectable via trigger 3)
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	White (5 000 K), RGB (user-defined)
Deflection angle FWHM	120°
Luminous flux	1100 lm



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Light intensity

- 1.80 kLx (500.0 mm / 100 %)
- 0.530 kLx (1000.0 mm / 100 %)

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/210934>