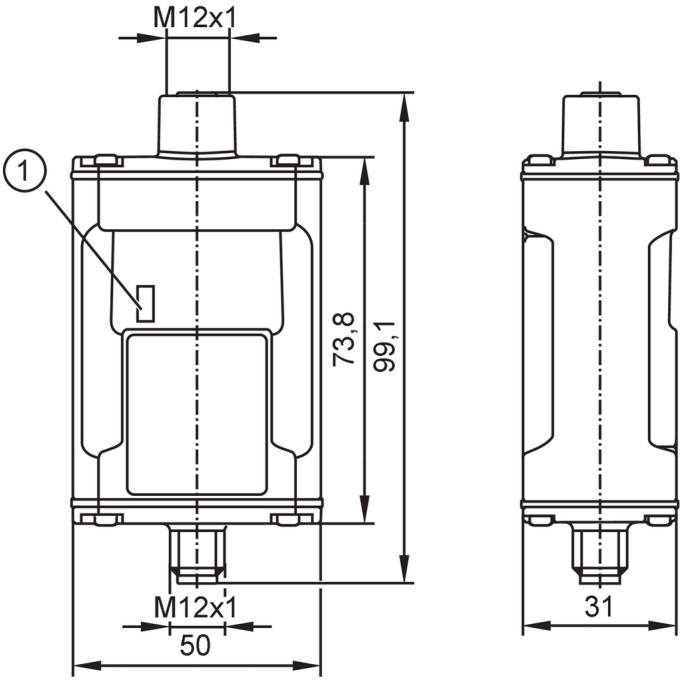
DP1615

Control unit for RGBW LED light bars

Controller RGBW-LED IP67



1 operation

Electrical data		
Operating voltage	[V]	21.6...26.4 DC; (to SELV/PELV)
Nominal voltage DC	[V]	24
Current consumption	[mA]	< 1230
Max. current load total	[A]	1.2
Inputs / outputs		
Number of inputs and outputs		Number of digital inputs: 3; Number of digital outputs: 4
Inputs		
Number of digital inputs		3
Switching level high	[V]	11...26.4
Switching level low	[V]	0...5
Outputs		
Output signal		switching signal
Number of digital outputs		4
Max. current load per output	[mA]	400; 640; (400 mA: red; green; blue; 640 mA: white)
Total current rating of all outputs	[A]	1.2
Short-circuit proof		yes
Interfaces		
Communication interface		IO-Link
Transmission type		COM2 (38,4 kBaud)
IO-Link revision		1.1
SDCI standard		IEC 61131-9
Profiles		Common - I&D; Identification and Diagnosis

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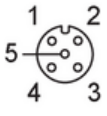
Control unit for RGBW LED light bars

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SIO mode		yes	
Required master port type		A	
Min. process cycle time	[ms]	4.2	
Supported DeviceIDs		**Type of operation**	**DeviceID**
		default	1474
Note		For further information please see the IODD PDF file under "Downloads"	
Operating conditions			
Ambient temperature	[°C]	-25...60	
Storage temperature	[°C]	-25...60	
Max. relative air humidity	[%]	90; (linearly decreasing to 50 % (40 °C); non condensing)	
Max. height above sea level	[m]	2000	
Protection		IP 65; IP 67	
Pollution degree		2	
Tests / approvals			
EMC		IEC61131-2	
MTTF	[years]	291	
Mechanical data			
Weight	[g]	130.2	
Weight (without accessories and packaging)	[g]	0.001	
Housing		rectangular	
Dimensions	[mm]	99.1 x 50 x 31	
Materials		housing: PA; cover: PA; Sealing cover: TPE	
Sealing material		FKM	
Displays / operating elements			
Display		operation	LED, green
Accessories			
Accessories (optional)		mounting clip, E89209	
Remarks			
Remarks		Please observe the permissible voltage ranges of the connected devices, as these may differ from the IO-Link specification.	
		For further information please see the operating instructions.	
		the device complies with overvoltage category II	
Pack quantity		1 pcs.	

Electrical connection - socket

Connector: 1 x M12; coding: A; Contacts: 5; Sealing: FKM



1 OUT1	DO1 LED red
2 OUT2	DO2 LED green
3 L-	GND
4 OUT3	DO3 LED white
5 OUT4	DO4 LED blue

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Control unit for RGBW LED light bars

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Electrical connection - plug

Connector: 1 x M12; coding: A; Contacts: 4



IO-Link operation

1 L+	
2 L+	
3 L-	GND
4 C/Q	

SIO operation

1 IN1 / L+	DI1 / supply voltage Setting C
2 IN2 / L+	DI2 / supply voltage Setting B
3 L-	GND
4 IN3 / L+	DI3 / supply voltage Setting A