



- PWM LED-dimmer constant voltage
- RGBW or 1...4-channels
- Channel-Link*
- Output current max. 4x 4,4A /24V DC
- constant voltage 10...48V DC
- <0,24W Standby power consumption
- PWM-frequencies 130,2 or 488 Hz
- control with DALI or tastDIM**

Brief description:

PWM LED-dimmer for constant voltage LEDs (e.g. LED-stripes; constant voltage downlights) RGB+W or 1...4 CH on a common anode (+).
LED output power / CH: 4,4A @ 24VDC | 2,2A @ 48V DC
Power supply: +10V DC ... 48V DC

Intended use

The XLED4 CV DALI is provided for easy and flexible control of LEDs with constant voltage (usually LED strip). The 4 channels can be used as RGB+W or multichannel monochrome.

Constant Voltage (CV)

The used power supply has to be pulse resistant and stabilized. Use a Power supply voltage according the rated voltage of the LEDs. Compliant with common DALI controller and gateways.

Channel-Link *

Channels could be linked together for a higher output current than 4,4A. With a maximum of 17,6A (24V DC). Linked-channels works as a single combined output. A linked-channel group has one DALI short-address.

tastDIM **

It is possible to alternatively use the DALI input as a push button input. Therefore the mains voltage (L and N) must be connected to the DALI-contacts. All channels respond together and the dimming is equal.

Installation

Installation housing (INS) for ceiling, wall or cavity mounting in dry interiors.

Optional DIN-Rail mounting with an rail mount kit.



Protection

Over temperature, overload, short circuit. Requires external pulse-proof and stabilized power supply.

Operation- and indication units

SETUP-button for operation, SELECT-button for channel selection and Channel-Link, STATUS-LED



Operating elements

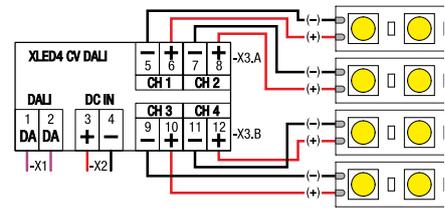
DALI LED-Dimmer 1-4CH 10-48V INS

XLED4 CV DALI

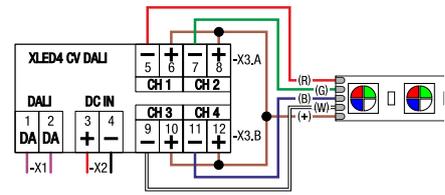
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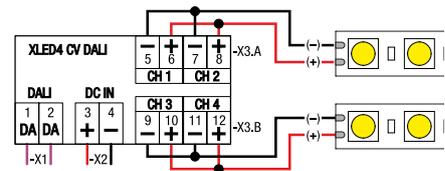
Specification	item number 10.521	XLED4 CV DALI INS	
Operation Voltage	External power supply	10...48V DC	
Power loss	Standby / Operation (rated power) Efficiency	< 023W / 2 W 99,5%	
Fuse		max. 16 A	
Outputs	4 output channels	common anode (+)	
Output current per channel	Voltage	Current / channel	Current / total
	12V DC	4,4A	17,6A
	24V DC	4,4A	17,6A
	48V DC	2,2A	8,8A
	PWM-frequency	130,2 / 488Hz	
Protocol input: DALI	IEC 62386-101/-102 (DALI-Version 1) Also compliant with IEC 60929 gear	IEC 62386-207, DALI device type 6 (LED Module)	
	Quantity DALI short addresses	4 (1 each channel) 1-4 dynamic, Channel-Link*	
	Current consumption from DALI	< 2mA / 9,5-22,5 V Manchester Code	
Dimming method	0.1%-100% output characteristic according IEC 62386-102, additional DSI or linear selectable		
Alternative control	tastDIM** 230V AC touch over DALI-input	(all channels together)	
Operation- and indication units	SETUP-button, SELECT-button, STATUS-LED (all recessed)		
Connections DALI D1/D2 (X1)	Push-in spring connection	0,2 ... 2,5 mm ² flexible or solid	
Connections power supply (X2)	Screw connection Tightening torque max	0,2 ... 4 mm ² flexible or solid max. 0,6Nm	
Connections LED output (X3)	Push-in spring connection	0,2 ... 1,5 mm ² flexible or solid	
Protection circuits	Short circuit shutdown with auto restart, thermal derating at overtemperature, overload shutdown		
Environment	Type of protection according DIN EN 60529 Protection class Temperature (ambient) ta Temperature (reference) tc Humidity	IP20 10mm/5KV II -20°...+40° Celsius 85° C 5 - 80% not condensing	
Conformity	According EMV and Low Voltage Directive, CE-Mark, DIN EN 60669, EN 60669-2-1:1996, DIN EN 60669-2-1, DIN EN 61000-6-1, DIN EN 61000-6-3		
Mounting design	Installation housing Optional DIN-Rail mounting	ceiling-, wall- or cavity mounting	
Dimensions	(height x width x depth) mm	62 x 113 x 27 mm	
Lead-through opening		hole measurements 68 mm Ø	
Venting	clearance of 25 mm around is necessary for sufficient air circulation		
Housing	Aluminium housing, Plastic cover black/grey		
Weight		0,120 kg	
Customs	HS-Code/ TARIC-Number	85365080	
Co-applicable documents	Quick guide, home automation users compendium		
Important: Notice all safety instructions and related documents for Installation and operation. Names, trademarks, products or companies can be claimed. All rights are on their respective owners.			



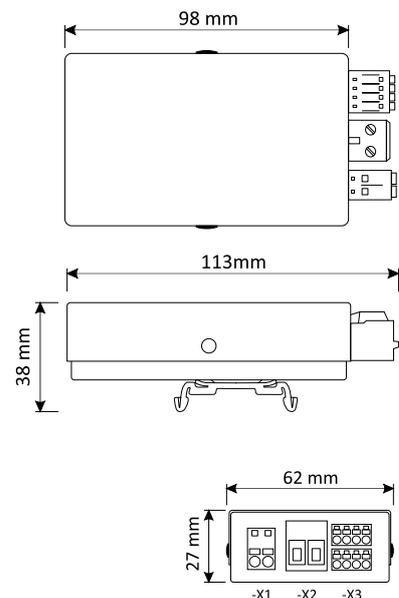
Circuit diagram - 4 single channels



Circuit diagram - RGBW Stripe



Circuit diagram - Channel-link



Dimensions



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