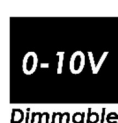


Datasheet & Operating instructions

Model: LS-40V12-DALI2

LED power supply for 12 Vdc constant voltage
 0,33...3.33 A (4...40 W), IP20, independent installation
 dimmable with DALI2 (DT-6), PUSH (pri.), 0-10V (sec.), PWM
 Flicker free according to IEEE 1789



Exploded view



Electrical data

Rated input voltage	220...240 Vac
Range of input voltage	198...264 Vac
Range of input voltage (DC)	200...240 Vdc
Mains frequency	50/60 Hz
Power factor (λ)	≥ 0.95 Full Load, 230 Vac
Input current	0.21 A max.
Inrush current	15 A max.
Output voltage	12 Vdc
Output current	0.33...3.33 A
Output power (nominal)	4...40 W
Efficiency	$\geq 87\%$ Full Load, 230 Vac
Life time	5 years
Dimming	DALI-2 (DT-6): 0-100 %, lead wire 300 m max. PUSH (pri.): 0-100 %, lead wire 20 m max., parallel connection max. 20 units 0-10V (sec.): 1-100 %, lead wire 20 m max. PWM (sec.) : 1-100 %, via 0-10V port (3 KHz – 8 KHz)
Memory function	Yes

Operating condition

Operating temperature range (t_a)	-20...+45 °C
Max. Surface temperature (t_c)	85 °C
Permitted rel. humidity	10...95 %
Protection class	II
Type of protection	IP20

Protection

Short circuit protection	Yes *
Overload protection	Yes *
Overheating protection	Yes *

(*) The output shuts off and will be resumed, after problem is removed and led driver is restarted.

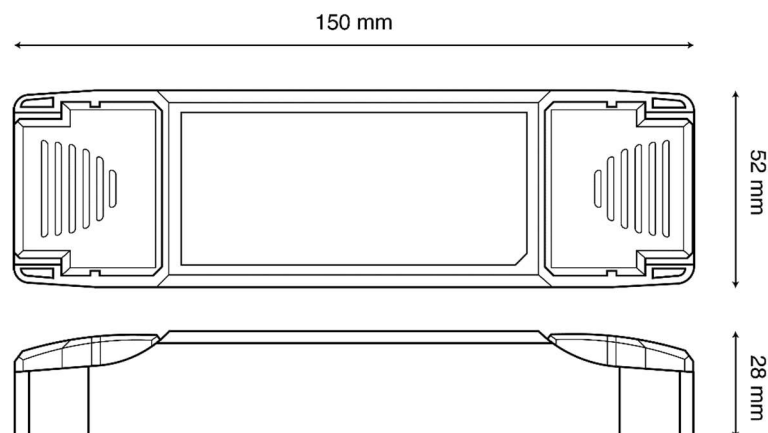
Standards

Standards	EN 61347-1, EN 61347-2-13 EN 55015, EN 61547 EN 61000-3-2, EN 61000-3-3
Dali Standard (DT-6)	IEC 62386-102, IEC 62386-207
Marking	CE, UKCA

Installation

Type of installation	Independent installation	
Type of connection	Spring-loaded terminal	
Cable cross-section, input side	0.75...1.5 mm ²	
Cable cross-section, output side	0.75...1.5 mm ²	
Cable preparation length, input side	8 mm	
Cable preparation length, output side	8 mm	
Circuit breaker (230V)	10A Type B: 35 pc. 13A Type B: 45 pc. 16A Type B: 55 pc. 20A Type B: 70 pc. 25A Type B: 86 pc.	10A Type C: 20 pc. 13A Type C: 25 pc. 16A Type C: 30 pc. 20A Type C: 42 pc. 25A Type C: 50 pc.

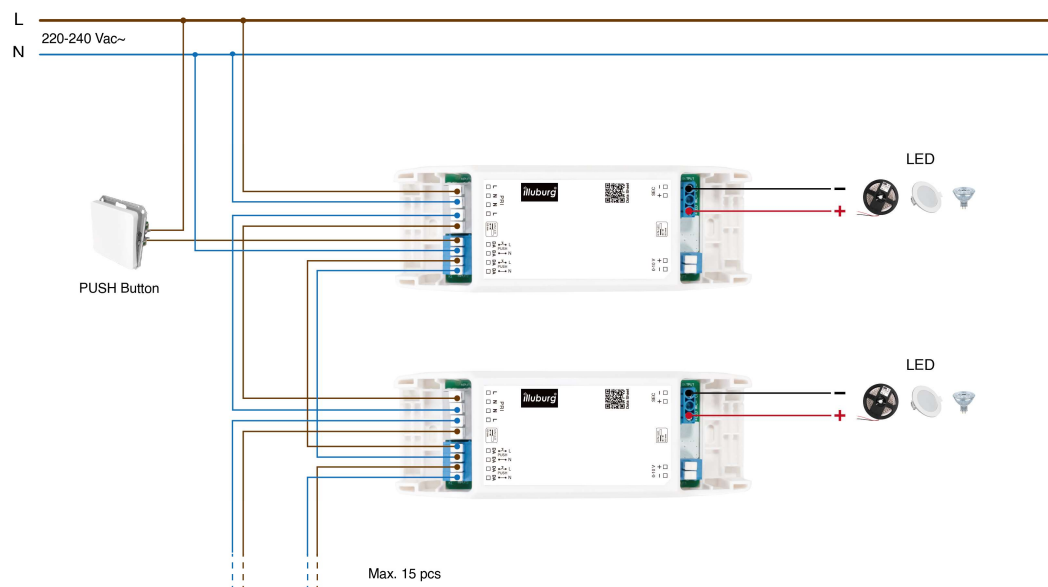
Dimension



Primary side PUSH Dimming (single)



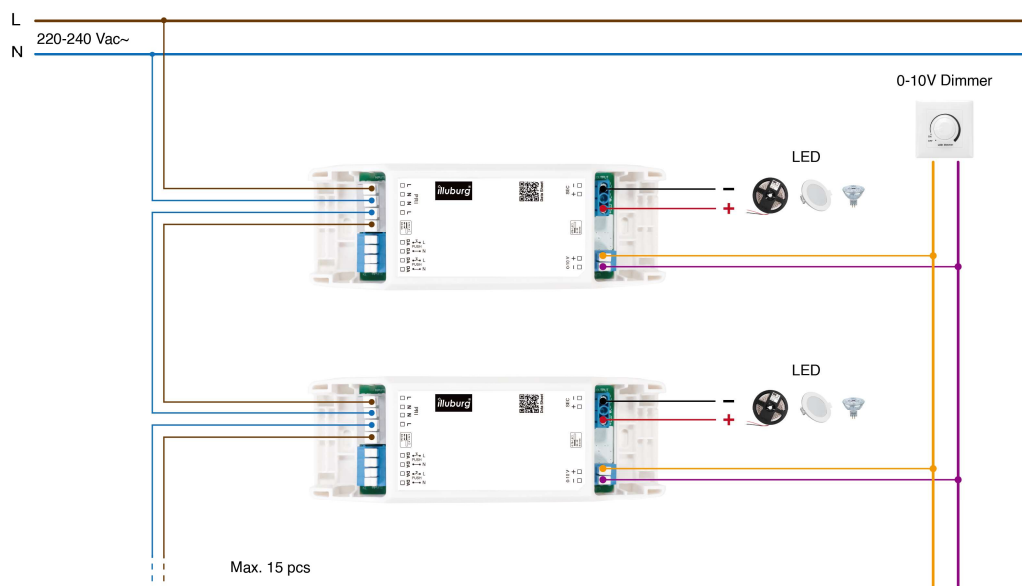
Primary side PUSH Dimming (parallel)



0-10V Dimming (single)



0-10V Dimming (parallel)



Control via PUSH Button

Status	Action	Duration	Function
LED on	Click once	< 0.5 s	Turn off LED drivers
LED off			Turn on LED drivers with last brightness setting
LED on	Press and hold	0.5-14 s	Dim brightness up / down. The dimming direction changes each time the button is pressed
LED on		> 15 s	Synchronize all LED drivers with 100 % brightness*
LED off		> 0.5 s	Turn on and synchronize all LED drivers with 5 % brightness*

* For connection of multiple LED drivers in parallel with a single PUSH button

Important notice

Download the safety instructions at www.illuburg.de/infocenter, read them carefully and observe the listed instructions and information for proper use.

Disclaimer of liability

Subject to changes and errors excepted. Make sure you are using the latest version.

Manufacturer Information

If you have any further questions, please contact our technical support.

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