

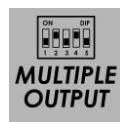
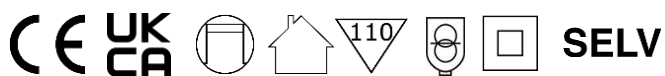
LS-12M-DALI2

LED power supply for selectable constant current

12 W max., IP20, independent installation

dimmable with DALI, PUSH (pri.)

Flicker-free according to IEEE 1789



Exploded view



Electrical data

Input voltage (range)	198...264 Vac	
Rated input voltage (AC)	220...240 Vac	
Rated input voltage (DC)	200...240 Vdc	
Mains frequency	50/60 Hz	
Power factor (λ)	≥ 0.90	Full load, 230 Vac
Input current	0.08 A max.	Full load, 230 Vac
No-load loss	≤ 0.5 W	230 Vac
Inrush current	< 15 A	100 μ s, 230 Vac
Output voltage	3...24 Vdc	
Output current	350 mA, 3-24 Vdc, 1.05-8.4 W 550 mA, 3-22 Vdc, 1.65-12.1 W	500 mA, 3-24 Vdc 1.5-12 W 700 mA, 3-17 Vdc, 2.1-11.9W
Output power (nominal)	12 W max.	
Efficiency	83%	Full Load, 230 Vac
Life time	5 years	Ta Full Load
Dimmable	Yes	
Dimming mode	DALI (max.lead length: 300M) Primary PUSH (max.lead length: 20M)	

Operating condition

Operating temperature range (ta)	-25...+50 °C
Max. Surface temperature (tc)	85 °C
Protection class	II
Type of protection	IP20

Protection

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

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

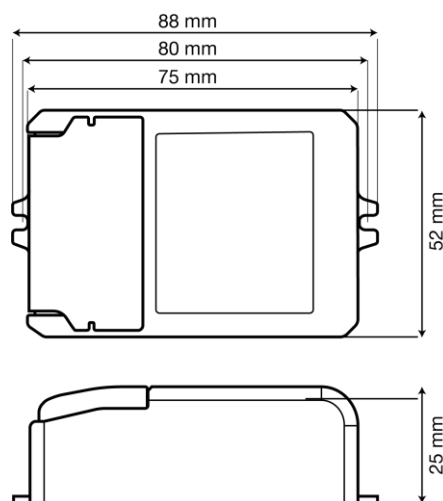
Standards & Certificates

Standards (LVD)	EN 61347-1, EN 61347-2-13
Standards (EMC)	EN 55015, EN 61547, EN 61000-3-2, EN 61000-3-3
DALI protocol standard	IEC62386-102, IEC62386-207
Approval marks	CE

Dimension & Installation

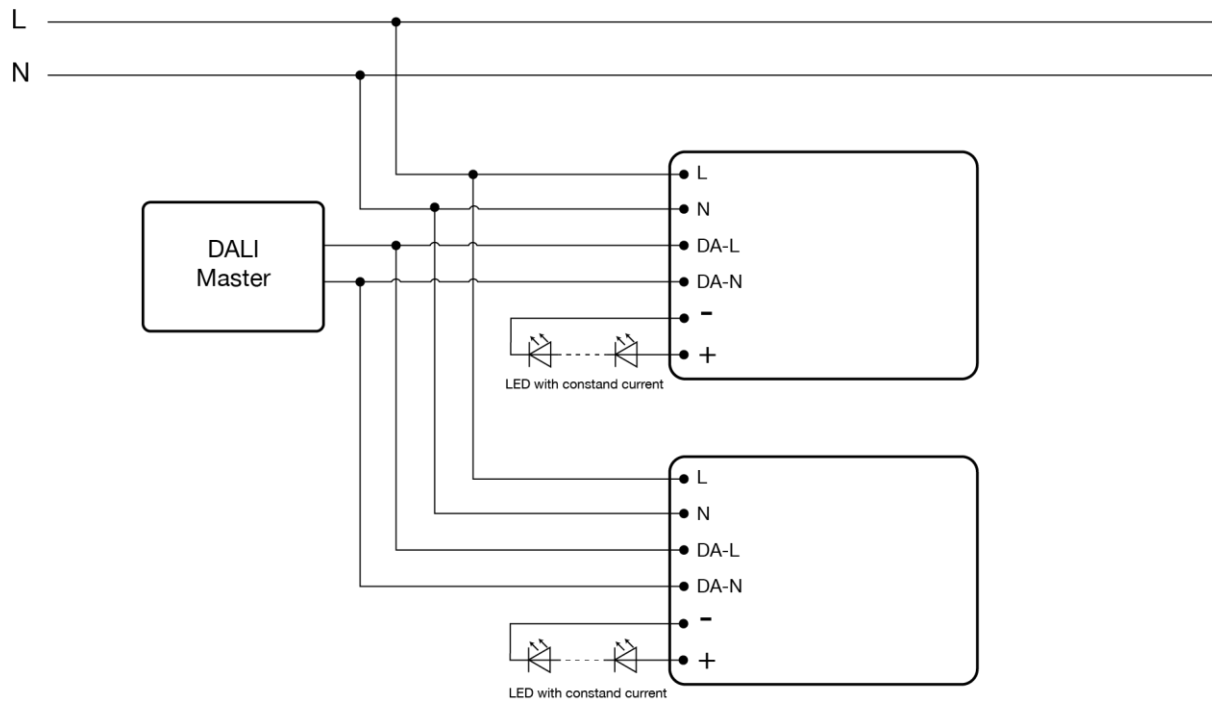
Type of installation	Independent installation
Type of connection	Spring-loaded terminal
Cable cross-section, input side	0.75...1.5 mm ²
Cable cross-section, output side	0.75...1.5 mm ²
Cable preparation length, input side	6...8 mm
Cable preparation length, output side	6...8 mm

Dimension

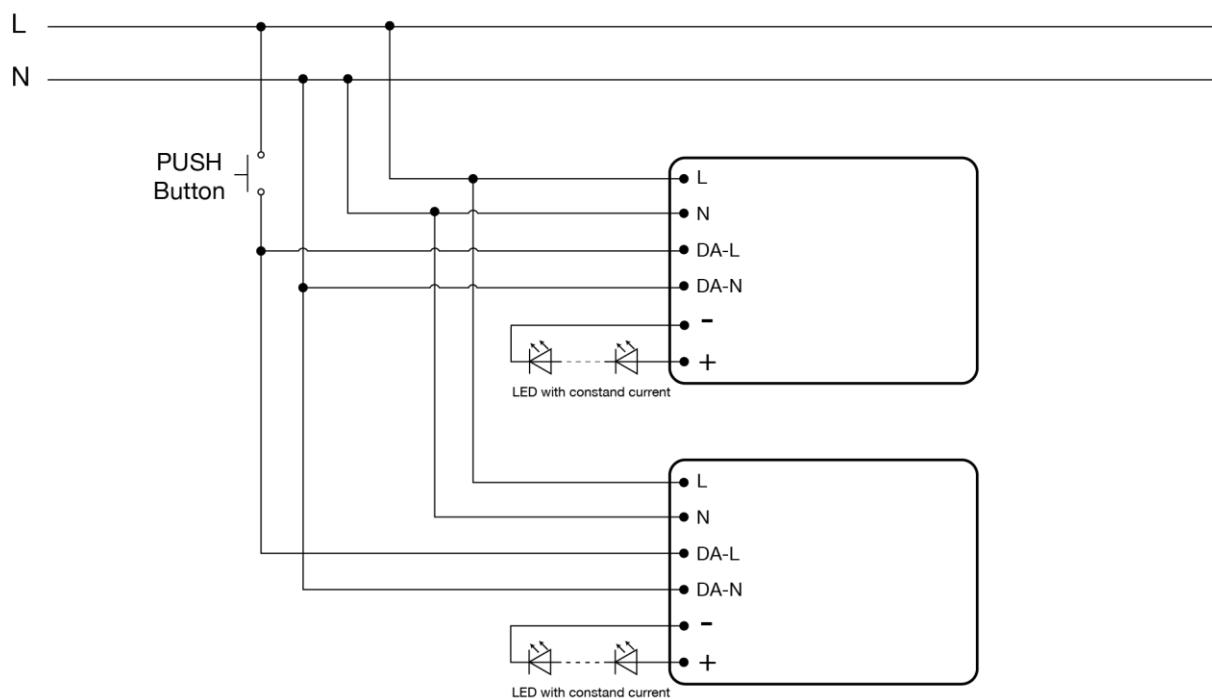


Connection

DALI Dimming



PUSH Dimming



Safety Notice



Dangerous currents flow through the body when coming into direct or indirect contact with live components. This can result in electric shock, burns or even death. Work improperly carried out on current-carrying parts can cause fires.

- Disconnect the mains power supply prior to installation and/or disassembly!
- Permit work on the 230 V supply system to be performed only by specialist staff.