LS-25V12-D3

LED power supply for 12 Vdc constant voltage
0.8 …2.08 A, 9.6…25 W., IP20, independent installation
Leading / trailing edge (TRIAC) dimmable

Strain relief removable

TRIAC Dimmable

INDEPENDENT INSTALLATION

Exploded view

Electrical data

Input voltage (nominal)	220...240 Vac	
input voltage (Range)	198...264 Vac	
Mains frequency	50/60 Hz	
Power factor (λ)	0.95	full load
Input current	0.17 A max	
Inrush current	10 A max.	th = 100 µs (cold start)
Output voltage	12 Vdc	
Output current	0,8...2,08 A	
Output power (nominal)	9.6…25 W	
Efficiency	84 %	full load
Life time	50,000 h	
Dimmable	TRIAC (leading edge / trailing edge)	
Dimming range	1…100 %	

Operating condition

Operating temperature range (ta)	-20...+50 °C	
Max. Surface temperature (tc)	80 °C	
Permitted rel. humidity during operation	5...85 %	Not condensing
Protection class	II	
Type of protection	IP20	

Protection

Short circuit protection	Yes *	
Overload protection	Yes *	
Overvoltage protection	Yes *	Input: 264Vac max. Output: ≤ 27 V
No-load protection	Yes *	
Overheating protection	Yes *	

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

Standards & Certificates

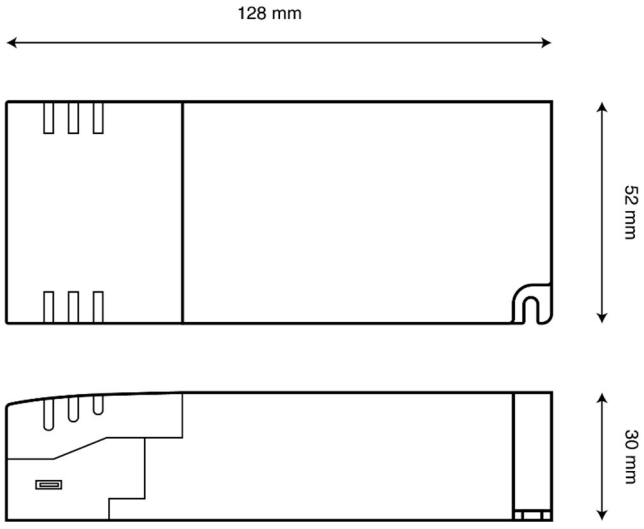
Standards	EN 61347-1, EN 61347-2-13, EN 60598-1, EN 62493 EN 57710, EN 61000-3-2, EN 61000-3-3, EN 55015, EN 61547
Approval marks	CE, UKCA
RoHS compliant	Yes

Installation

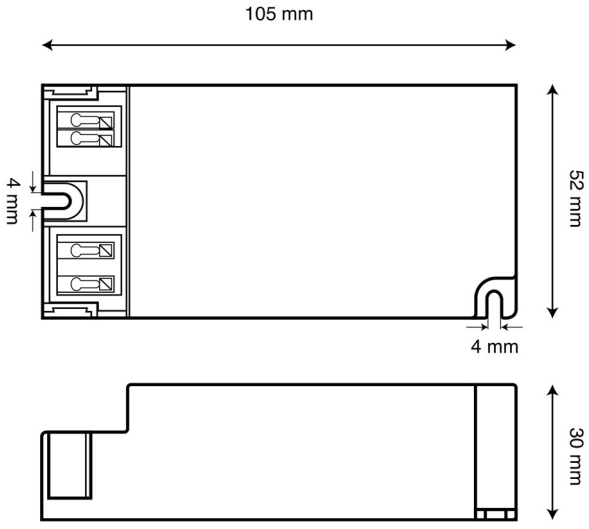
Type of installation	Independent installation	
Type of connection	Spring terminal	
Cable cross-section, input side	0.75...2.5 mm²	
Cable cross-section, output side	0.75...2.5 mm²	
Cable preparation length, input side	8 mm	
Cable preparation length, output side	8 mm	
Circuit breaker (230V)	10A Typ B: 35 pc.	10A Typ C: 62 pc.
	13A Typ B: 46 pc.	13A Typ C: 81 pc.
	16A Typ B: 56 pc.	16A Typ C: 100 pc.
	20A Typ B: 70 pc.	20A Typ C: 125 pc.

Dimension

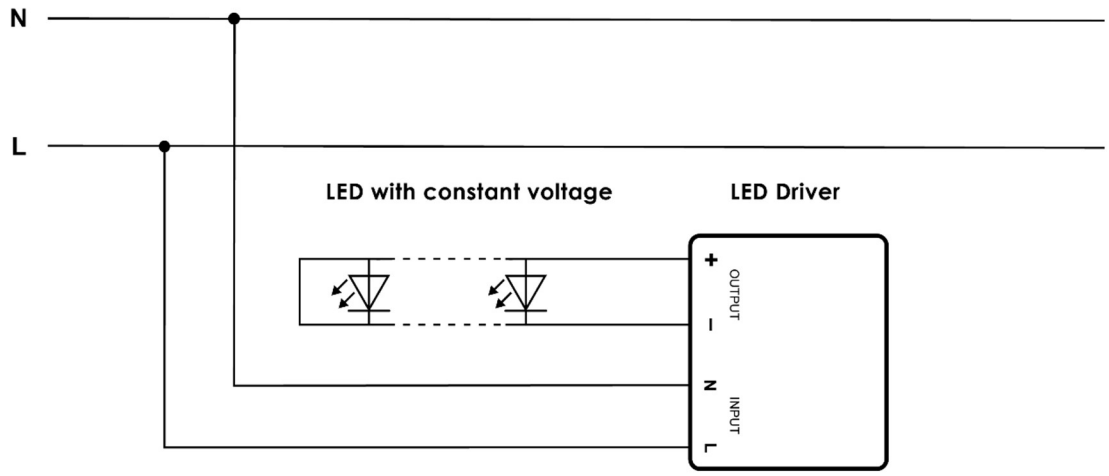
with strain relief



without strain relief



Connection



Safty 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.