

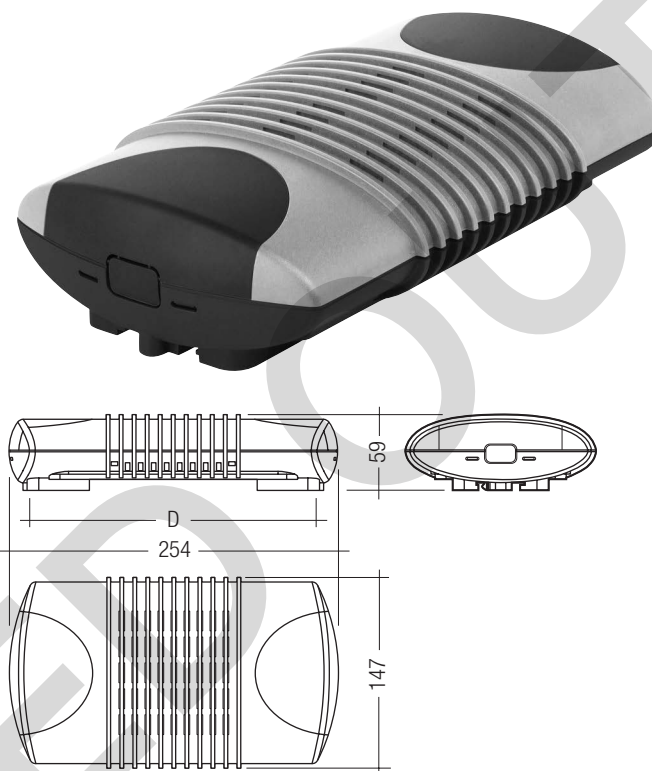


TE-DC 2 D101 one4all

Digital dimmable

Product description

- Independent device with integrated cable clamp and terminal cover
- Dimming range 1 to 100 %
- For emergency lighting systems as per EN 50172
- Constant output voltage
- Short-circuit shutdown feature with automatic restart
- With soft start
- Noise-free precise control via one4all-interface DALI, DSI, switchDIM
- Fault reporting and programmable operating parameters in DALI and DSI mode
- Overtemperature and overload protection by reducing power and automatic restart
- Quiet operation even when dimmed
- Suitable for cable lengths up to 20 m
- Integrated intelligent current monitor
- Double assignment of the terminal possible
- Practical individual packaging with assembly instructions
- Rapid installation of the cable clamp, no tools required
- Not suitable for operation with MR16 LED bulbs



Technical data

Mains voltage range	230 – 240 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Dimming	DSI, DALI, switchDIM – single momentary-action switch
Soft-start	yes
λ	> 0.99
Efficiency	> 90 %
Power circuitry	digital
Protection class	II
Type of protection	IP20

Ordering data

Type	Article number	Packaging carton	Packaging pallet	Weight per pc.
TE-DC 2 0300 D101 white	28000874	10 pc(s).	120 pc(s).	0.8 kg
TE-DC 2 0300 D101 grey	28000873	10 pc(s).	120 pc(s).	0.8 kg

Specific technical data

Type	Dimensions L x W x H	Hole spacing D	Lamp power	DC lamp output	Rated current (at 230 V 50 Hz)	Secondary voltage®	Ambient temperature ta	Max. casing temperature	Current monitor	Output terminal
TE-DC 2 0300 D101	254 x 147 x 59 mm	218 – 226 mm	100 – 300 VA	70 %	1.45 A	11.9 V	-20 ... +35 °C	100 °C	yes	2-pin, screw terminal

^① Constant output voltage.

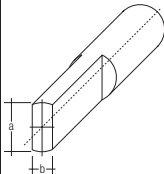
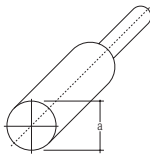
Data secondary terminal

Possible Wiring

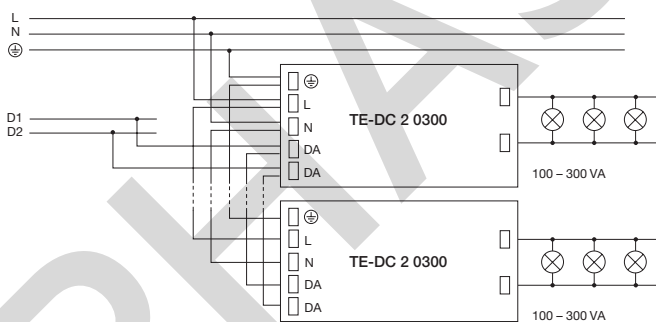
Clamping area	0.33 – 16.00 mm ²
Single wire / H05(07) V-U	0.5 – 16.00 mm ²
braided wire / H05(07) V-K	0.5 – 10.00 mm ²
braided wire / DIN 46228-1	2.5 – 10.00 mm ²
braided wire / DIN 46228-4	2.5 – 10.00 mm ²
plug gage / EN 60999	Ø 5.3 (B6)



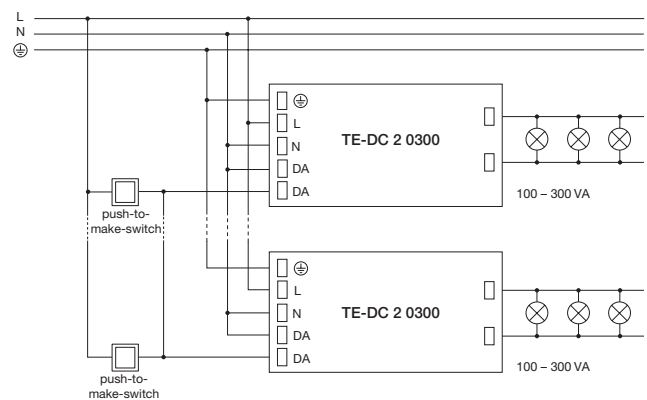
Definiton plug gauge

Conductor cross-section		Plug gauge					
		Form A			Form B		
							
Flexible conductor	Rigid conductor (solid or stranded)	Designation	Diameter a	Width b	Designation	Diameter a	Permissible deviation for a and b
1.5 mm ²	1.5 mm ²	A1	2.4 mm	1.5 mm	B1	1.9 mm	0–0.05 mm
2.5 mm ²	2.5 mm ²	A2	2.8 mm	2.0 mm	B2	2.4 mm	
2.5 mm ²	4 mm ²	A3	2.8 mm	2.4 mm	B3	2.7 mm	
4 mm ²	6 mm ²	A4	3.6 mm	3.1 mm	B4	3.5 mm	0–0.06 mm
6 mm ²	10 mm ²	A5	4.3 mm	4.0 mm	B5	4.4 mm	
10 mm ²	16 mm ²	A6	5.4 mm	5.1 mm	B6	5.3 mm	

Wiring diagrams

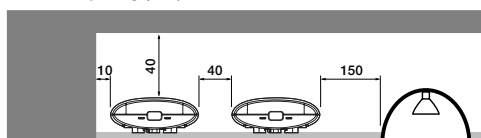


DALI / DSI



switchDIM

Minimum spacing (mm)



Wiring guidelines

- Earth only needed for special functional reasons, but if earth will be connected it has to be a protectional earth (PE).