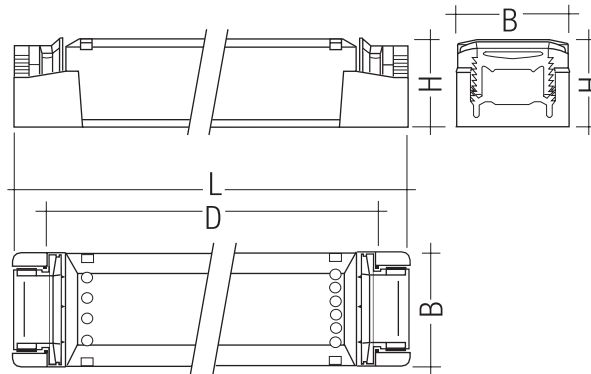




**TE-U 1...10 V sc, 20 – 150 VA 230 – 240/12 V 0/50/60 Hz**  
Dimming 1...10 V

### Product description

- Independent device with integrated cable clamp and terminal cover
- Dimming range 1 to 100 %
- Control via 1...10 V interface
- For emergency lighting systems as per EN 50172
- Short-circuit shutdown feature with automatic restart
- With soft start
- Overtemperature and overload protection by reducing power and automatic restart
- Looping on primary side possible
- 8-pole terminal on secondary side
- Spring terminal
- Practical individual packaging with assembly instructions
- Rapid installation of cable clamp and terminal cover, no tool required
- Not suitable for operation with MR16 LED bulbs



### Technical data

Protection class	II
Type of protection	IP20
Mains frequency	0 / 50 / 60 Hz
Efficiency	> 94 %
$\lambda$	> 0.9
Max. cable length secondary	2 m



**Standards**, page 2

**Wiring diagrams and installation examples**, page 2

### Ordering data

Lamp wattage	Dimensions LxWxH	Distance between mounting holes (D)	Dimming	Type	Article number
20 – 150 VA	207 x 46 x 40 mm	170 – 174 mm	1...10 V DC or potentiometer 100 k $\Omega$ log.	TE 0150 U	86457966

Packaging: 10 pieces/carton, 600 pieces/pallet

### Specific technical data

Type	Rated supply voltage AC	Rated supply voltage DC	Rated current (at 230 V 50 Hz) <sup>Ⓢ</sup>	Secondary voltage <sup>Ⓢ</sup>	DC lamp output	Operating frequency	Ambient temperature $t_a$	Max. casing temperature	Soft-start	Weight	Output terminal
TE 0150 U	230 – 240 V	230 – 240 V	0.6 A	11.9 V	70 %	32 kHz	-25 ... +50 °C	90 °C	yes	0.29 kg	8-pin

<sup>Ⓢ</sup> Valid at 100 % dimming level.

### Standards

EN 55015  
EN 61000-3-2  
EN 61047  
EN 61347-2-2  
EN 61547

### Dimming

Dimming range 1% to 100%

Analogue control by:

- 1–10 V<sub>DC</sub>
- Potentiometer 100 kΩ log.

### Control input (1–10 V)

The TE-0105 U can be controlled either by an analogue 1–10 V<sub>DC</sub> signal or potentiometer 100 kΩ.

A dimming characteristic adapted to the eye sensitivity can be achieved by using a logarithmic potentiometer.

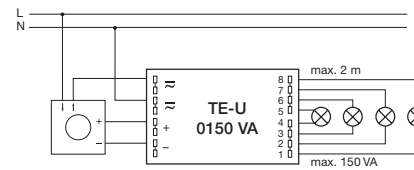
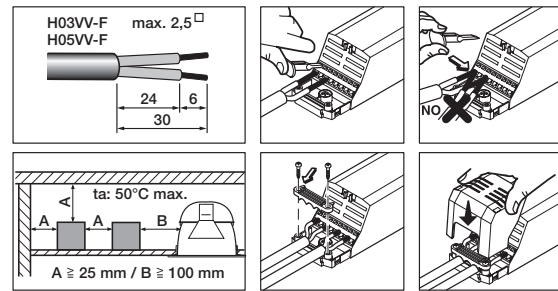
The device cannot be turned on or off by the control input 1–10 V.

### Light output level in DC operation

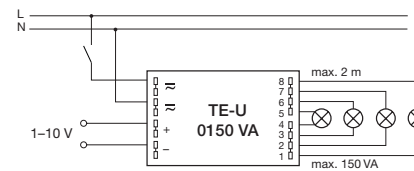
The light level in DC operation is set to 70%.

In DC operation dimming is not possible.

### Installation instructions



control by electronic  
potentiometer



control by external  
1–10 V signal

### Maximum loading of automatic circuit breakers

Automatic circuit breaker type	C10	C13	C16	C20
Installation Ø	1.5 mm <sup>2</sup>	1.5 mm <sup>2</sup>	1.5 mm <sup>2</sup>	2.5 mm <sup>2</sup>
TE-0150 U 1–10 V sc	14	18	23	29