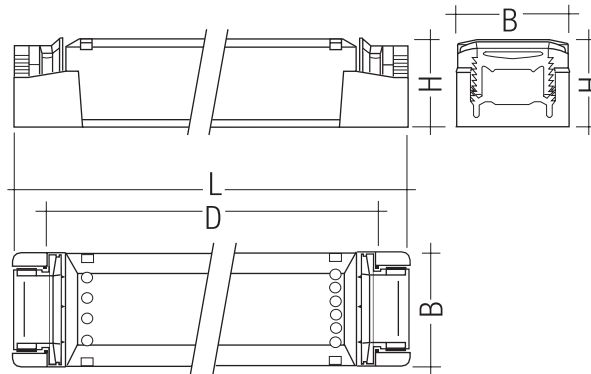




**TE-U 1...10 V sc, 20 – 105 VA 230 – 240/12 V 0/50/60 Hz**  
Dimming 1...10 V

### 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
- 6-pole terminal on secondary side
- Cage-type screw 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 – 105 VA	167 x 42 x 31 mm	143 – 148 mm	1...10 V DC or potentiometer 100 k $\Omega$ log.	TE 0105 U	86457964

Packaging: 20 pieces/carton, 800 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 0105 U	230 – 240 V	230 – 240 V	0.45 A	11.9 V	70 %	32 kHz	-25 ... +55 °C	90 °C	yes	0.18 kg	6-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 k $\Omega$  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 k $\Omega$ .

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

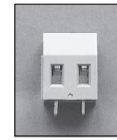
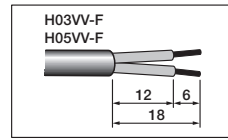
The device cannot be turned on or off by the control input 1–10 V.

### Light output level in DC operation

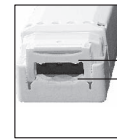
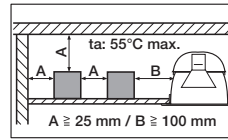
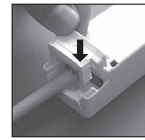
The light level in DC operation is set to 70%.

In DC operation dimming is not possible.

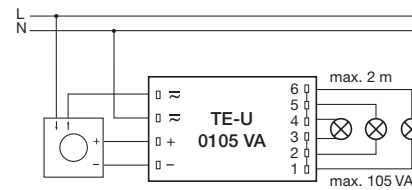
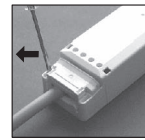
### Installation instructions



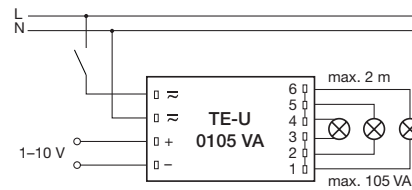
max.:  
1 x 2,5  $\square$   
2 x 1,5  $\square$



3–10 mm



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 $\emptyset$	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-0105 U 1–10 V sc	20	26	32	40