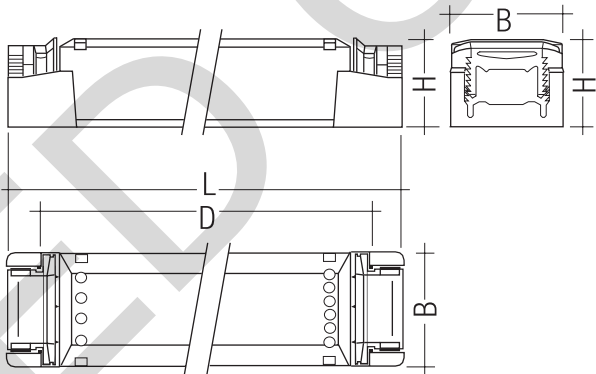




TE-U 1...10 V sc, 20 – 105 VA 230 – 240/12 V 0/50/60 Hz
Dimming 1...10 V

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 %
λ	> 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 Ω 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) ^{*)}	Secondary voltage ^{*)}	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

^{*)}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_{DC}
- Potentiometer 100 kΩ log.

Control input (1–10 V)

The TE-0105 U can be controlled either by an analogue 1–10 V_{DC} signal or potentiometer 100 kΩ.

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

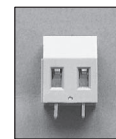
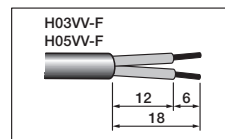
The device cannot be turned on or off by the control input 1–10 V.

Light output level in DC operation

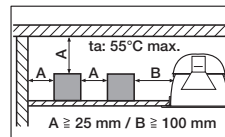
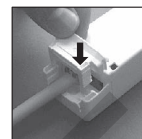
The light level in DC operation is set to 70 %.

In DC operation dimming is not possible.

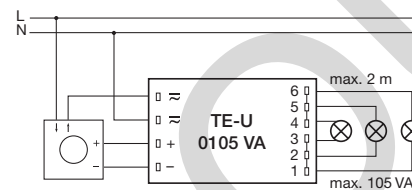
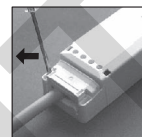
Installation instructions



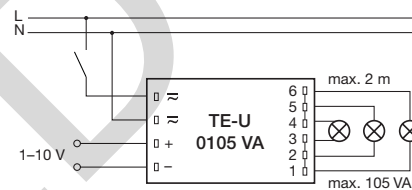
max.:
1 x 2,5 mm²
2 x 1,5 mm²



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 Ø	1.5 mm ²	1.5 mm ²	1.5 mm ²	2.5 mm ²
TE-0105 U 1–10 V sc	20	26	32	40