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Lighting control

Staircase light timer switches, DIN-rail, Electronic



trealux 510



trealux 450

Description

The trealux staircase light timer switches offer maximum functionality and allow for individual control concepts in residential buildings, offices, commercial premises, and industrial and outdoor settings, delivering noticeable improvements to energy efficiency. Our trealux range offers simple, universal installation with automatic detection of the wiring option. These products are therefore ideally suited for use with modern lighting technology, such as energy-saving lamps and various ballasts.

trealux 510

- Staircase light timer switch
- DIN-rail

trealux 450

- Staircase light timer switch
- DIN-rail
- Universal installation thanks to automatic detection of wiring type (3- or 4-wire)

Product selection

Incandescent/halogen lamp load	Switch-off pre-warning	Zero-cross switching	Type	Item no.
2600 W	Yes	Yes	trealux 510	18.13.0016.1
2600 W	Yes	Yes	trealux 450	18.13.0001.1

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Technical data

	trealux 510	trealux 450
Operating voltage	230 V AC	230 V AC
Frequency	50 Hz	50 Hz
Standby output	0.3 W	0.3 W
Neon lamp load	100 mA	50 mA
Time setting range	0.5–20 min	0.5–20 min
3/4 conductors	Automatic	Automatic
Type of contact	NO contact	NO contact
Switch output	Non-floating (230 V), floating at multi-voltage input	Non-floating (230 V)
Incandescent/halogen lamp load	2600 W	2600 W
Fluorescent lamps EB	1100 W	1100 W
LED lamp < 2 W (typ.)	55 W	50 W
LED lamp > 2 W (typ.)	600 W	400 W
Switching capacity	16 A (at 230 V AC, cos phi = 1), 10 A (at 230 V AC, cos phi = 0.3)	16 A (at 230 V AC, cos phi = 1), 10 A (at 230 V AC, cos phi = 0.6)
Ambient temperature	–25 °C … +50 °C	–10 °C … +50 °C
Protection class	II	II
Protection rating	IP 20	IP 20

Connection examples



