theben

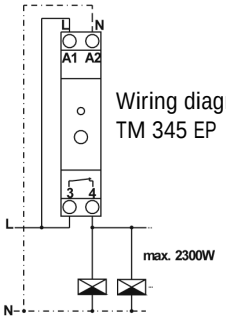
310 669

TM 345 EP

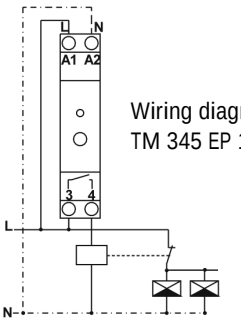
Electronic timing device to simulate power failure for emergency lighting with incorporated batteries

Electrical devices should only be connected and mounted by an electrical specialist.
The national specifications and applicable safety regulations must be observed.

TM 345 EP



Wiring diagram
TM 345 EP



Wiring diagram
TM 345 EP 1

Application

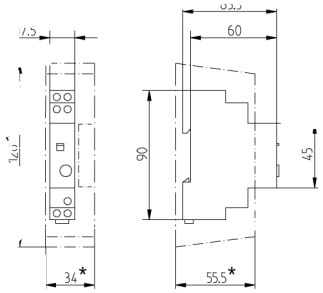
Emergency luminaires with incorporated batteries have to be controlled at periodic intervals, to check correct functioning.
By the installation of either of these devices (depending on size of installations), power failure simulation of 5 mins, 1 hr, 2 hr, or 3 hrs may be obtained on the emergency lighting circuit(s).
With a 5 minute delay time it is possible, to check the function of the safety lamps, which cannot be observed from the location where the testing device is installed.
The longer time function control of 1-3 hours (for battery discharging) can be started by pressing the button 2,3 or 4 times, depending on discharge time required. The advantage of regular permanent testing is that the life time of the batteries will be increased (conservation of accu capacity).

TM 345 EP (Single Circuit Direct Connection)
When the DIN-rail device TM 345 EP is installed in the net supply in front of emergency luminaries with self-contained batteries, the relay contact of the TM 345 EP is closed and the emergency luminaires are connected to the mains supply.

TM 345 EP 1
(Multi-Circuit, through N/C Contactor)
When the DIN-rail device TM 345 EP 1 is installed with associated MCB´s + Contactors in front of the emergency luminaires with self-contained batteries, the relay contact of the TM 345 EP 1 is open, the normally closed contacts of the contactor are closed and the emergency lighting circuits are connected to the mains supply.

Technical data:

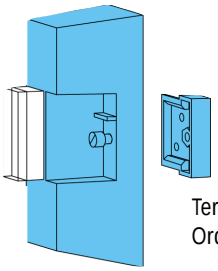
Nominal voltage: 230 V~ ± 10 %
Frequency: 50 Hz
Power consumption: appr. 4,5 VA
Switching capacity: 16 A 250 V~, cos j = 1
Incandescent lamp load: 2300 W
Halogen lamp load: 2300 W
Fluorescent lamps with electronic balast: 800 W
Compact fluorescent lamps: (capacitive ballast) 2000 W, (electronic ballast) 9 x 7 W, 6 x 11 W, 5 x 15 W, 5 x 20 W, 5 x 23 W
Contact: floating, gap less than 3 mm
Contact material: Ag Sn O_2
Incandescent lamp load: max. 100 mA
Switching: resettable
Housing and insulation material: high tempe-ratu-re-resistant thermoplasts
Acceptable ambient temperature:
– 10°C... + 50°C
Protection type: IP 20 in accordance with EN 60 529
Protection class: II in accordance with VDE EN 60 335-1 if installed as directed



*with terminal cover

Button	Test	LED
1 x	5 min.	
2 x	1 h	
3 x	2 h	
4 x	3 h	
ca. 2s	Test off: (Reset)	

Design:
- Standard housing 45 x 17.5 x 60 (mm)
- Snap-on fixing for 35 mm profile rail (DIN EN 50 022)
- With additional terminal cover, sealable
- Switchboard mounting with mounting set no. 907 0 001
- Large captive terminal screw



Terminal cover
Order No. 907 0 065