



Test pushbutton for emergency lighting systems with its own battery supply

PTN12-230V

Only skilled electricians may install this electrical equipment otherwise there is the risk of fire or electric shock!

Temperature at mounting location:

-20°C up to +50°C.

Storage temperature: -25°C up to +70°C.

Relative humidity:

annual average value <75%.

1 CO contact 16A/250V AC. Off-delay settable between 10 and 180 minutes.

Only 0.5 watt standby loss.

Modular device for DIN-EN 60715 TH35 rail mounting. 1 module = 18mm wide, 58mm deep.

Supply voltage 230V, 50/60Hz.

Off-delay 10, 20, 30, 40, 50, 60, 90, 120, 150 and 180 minutes settable with rotary switch.

When the supply voltage is applied, the green LED lights up.

The emergency lighting system with its own battery supply is connected to terminals 16 and N and thus connected to the supply voltage.

Pressing the TEST button on the PTN12 the relay is energized and the contact changes from 16 to the 18. Therefore the emergency lighting system is disconnected from the supply voltage and the yellow LED lights up. At the same time, the set time is started at which end the relay drops back, the contact switches from 16 to 18 and the emergency lighting system is applied again to the supply voltage. During the time lapse, the green LED flashes regularly.

The TEST button can be operated any number of times during the time lapse without affecting it. By pressing the button a long time (green LED flashes nervously) >2 seconds, the time lapse

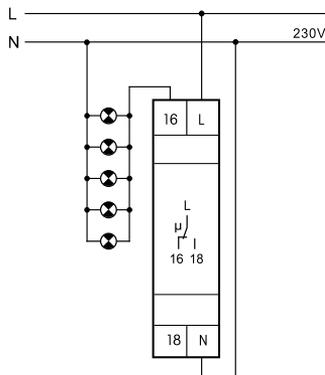
can be terminated.

When the supply voltage fails during time lapse, it will be switched-off defined.

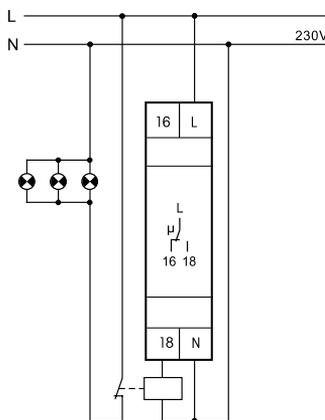
When the relay is energized during the off-delay, the power loss increases to 1 watt.

If the emergency lighting system requires a larger current than 16A, a contactor with normally closed contact must be inserted according to the circuit diagram.

Typical connections



Direct control of the emergency light systems $I \leq 16A$; Emergency light systems with own battery supply



Control of emergency light systems via electric contactor $I > 16A$; Emergency light systems with own battery supply

Technical data

Contact material/ contact gap	AgSnO ₂ /0.5 mm
Rated switching capacity	16A/250V AC
Incandescent lamp and halogen lamp load I on ≤ 70A/10ms	2300W
Compact fluorescent lamps with EVG and energy saving lamps ESL	15x7 W 10x20 W
Life at rated load, cos φ = 1 for incandescent lamps 1000W at 100/h	>10 ⁵
Maximum conductor cross-section	6 mm ²
Two conductors of same cross-section	2.5 mm ²
Screw head	slotted/crosshead, pozidriv
Type of enclosure/ terminals	IP50/IP20
Time on	100%
Max./min. temperature at mounting location	+50°C/-20°C
Stored energy time in the event of power failure (then total reset)	≥ 0.2 seconds
Standby loss (active power) 230V	0.5 W

Must be kept for later use!

We recommend the housing for operating instructions GBA12.

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