



Staircase switches

Pulsar TS

Function

Push-button operated single-shot timer, switching the power to the load after the push-button has been pushed briefly, and switching off again after the preset time has elapsed.

Energy saving: the PLTS + TD is especially developed to switch off during the preset time when the staircase switch receives a new impulse.

Applications



Lighting or ventilation of staircases, basements, halls, etc.

Features


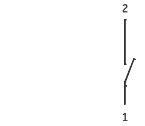



- Designed for a real 3.500W switching capacity.
- User adjustable time.
- Electromechanical contact and electronic timer with manual override off or on possible at all time for PLTS + M.
- 3 or 4 wire wiring possible.
- Device for pre-extinction warning adjustable from 20 to 40 sec only for incandescence sources.
- Safety terminals equipped with captive Pozidriv screws and IP20 protection degree.
- Anti vandalisme: resistant to blocked push-buttons.

Standards

EN 60669-2-3



Pulsar TS - Staircase switches

| | Nominal current | Contact combination | Coil voltage AC | Coil voltage DC | Number of Modules | Cat. No. | Ref. No. | Pack. |
|---|-----------------|---------------------|-----------------|-----------------|-------------------|-----------|----------|-------|
|  <p>Staircase switch</p>  | 16 | 1NO | 230 | - | 1 | PLTS + M | 686216 | 12 |
|  <p>Dimmer for staircase switch</p> | 16 | 3500W | 230 | - | 1 | PLTS + D | 686214 | 12 |
| To be used only in combination with the staircase switch. Wiring diagram on page D.17 | | | | | | | | |
|  <p>Time-delay impulse relay</p>  | 16 | 1NO | 230 | - | 1 | PLTS + TD | 666311 | 12 |

Terminal identification, see page D.41

More technical data ● website

Dimensions ● pg D.45

New

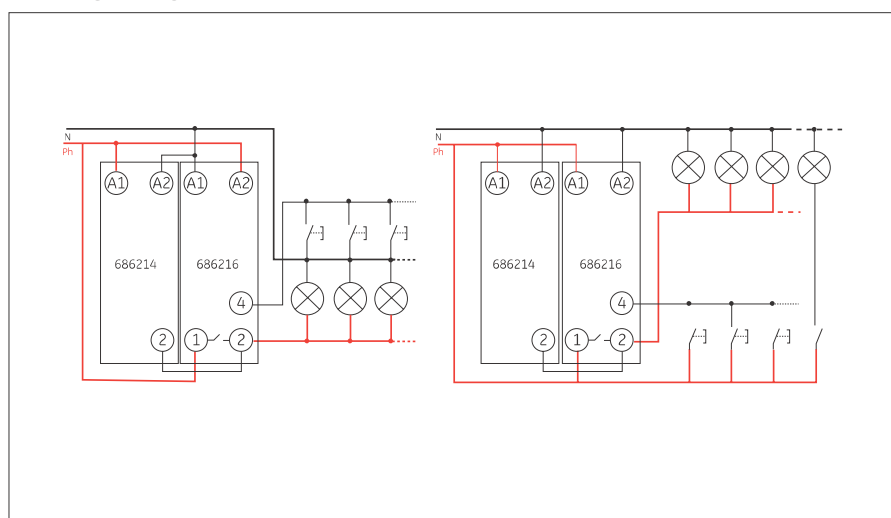


Performance

| | | PLTS + TD | PLTS + M | PLTS + D |
|--|--|-----------------|-----------------|-----------------|
| Rated current (acc. IEC 609-2-3) | A | 16 | 16 | 16 |
| Width (in number of DIN-modules) | | 1 | 1 | 1 |
| Contacts | NO | 1 | 1 | 1 |
| Time range | 1 function | 1mn / 20mn | 30s / 15mn | 20s / 40s |
| Supply voltage | 230V - 50/60 Hz | yes | yes | yes |
| | 24VAC/24VDC | on request | on request | on request |
| Supply voltage range (in % of Un) | % | 90-110 | 90-110 | 90-110 |
| Rated power consumption | | | | |
| Closed circuit current | 230V | 4.0 | 4.0 | 4.0 |
| Working current (ignition & running) | 230V | 4.0 | 4.0 | 4.0 |
| Light types | | | | |
| Incandescent lamps | | yes | yes | yes |
| Fluorescent lamps | | yes | yes | no |
| Switching capacity | | | | |
| AC-5b Incandescent lamps (40 to 200 W lamps) | W | 3,500 | 3,500 | 3,500 |
| Fluorescence compensated (cos $\Phi = 0.9$) | | | | |
| | Serial compensation | W | 3,500 | 3,500 |
| | Parallel compensation | VA | 2,500 | 2,500 |
| Lifetime (in number of operations) ⁽¹⁾ | | | | |
| Electrical (AC-1) | at 1,200 W | 2×10^6 | 2×10^6 | 2×10^6 |
| | at full load | 1×10^6 | 3×10^5 | 3×10^5 |
| Mechanical | | 1×10^7 | 1×10^7 | 1×10^7 |
| Max. number of push-buttons | | | | |
| Non illuminated push-buttons | | unlimited | unlimited | unlimited |
| Luminous push-buttons (0.6mA): | | | | |
| 4 terminals | | unlimited | unlimited | unlimited |
| 3 terminals | Without compensator | 39 | 83 | 83 |
| | 1 compensator (2 μ F) ⁽²⁾ | 45 | 300 | 300 |
| | 2 compensators (2 x 2 μ F) | 59 | 600 | 600 |
| General specifications | | | | |
| DIN rail mounting | | yes | yes | yes |
| Silent operations | | yes | yes | yes |
| Setting accuracy - Full range | % | +/- 15 | +/- 15 | +/- 15 |
| 3-wire and 4-wire installation | | yes | yes | yes |
| Resistant to blocked push-buttons | | yes | yes | yes |
| Continuously adjustable time-lag | | yes | yes | yes |
| Manual switching (number of positions) | | 2 | 3 | - |
| Front switch-off lever | | yes | yes | - |
| Clamping screw terminals, unloosable screws | | yes | yes | yes |
| Cable cross section (\emptyset min./max) | Coil | mm ² | 1.5 / 10 | 1.5 / 10 |
| | Load | mm ² | 1.5 / 10 | 1.5 / 10 |
| Maximum torque on terminals | | N x m | 1 | 1 |
| Ambient temperature at installation point (min./max.) | | °C | -20 / +45 | -20 / +45 |

(1) cycle = 2 operations per pole (closing + opening)
 (2) See page D.15: code 686174

Wiring diagram



Pulsar TS

A

B

C

D

E

F

G

X



New