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 presetted 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

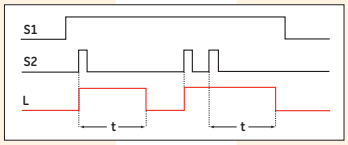
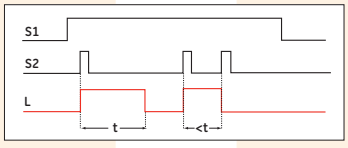
- Designed for a real 3.500W switching capacity.
- User adjustable time.
- Electromechanical contact and electronic timer with manual override off or on possible at all time for PLTS + M.
- 3 or 4 wire wiring possible.
- Device for pre-extinction warning adjustable from 20 to 40 sec only for incandescence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

Standards

EN 60669-2-3

CE

Pulsar TS - Staircase switches

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

Terminal identification, see page D.41

More technical data website
Dimensions pg D.45

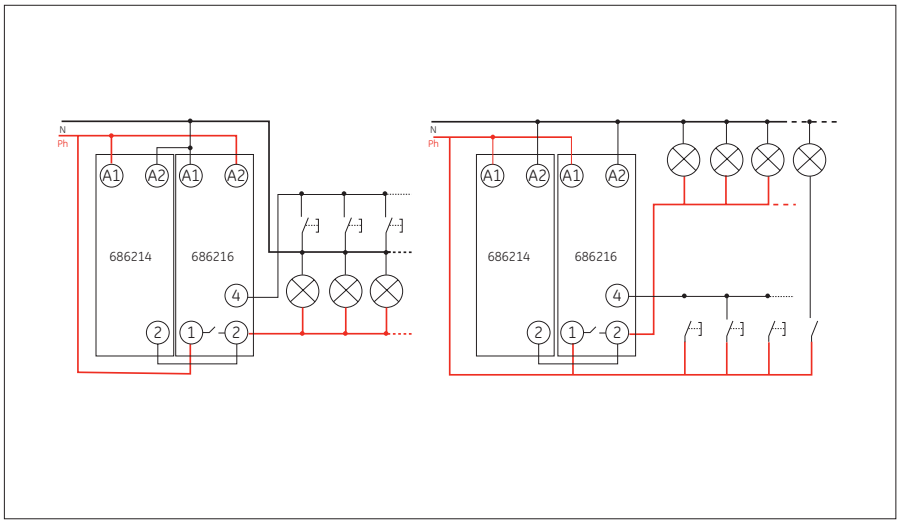
New

Performance

			PLTS + TD	PLTS + M	PLTS + D
Rated current (acc. IEC 669-2-3)		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	VA	4.0	4.0	4.0
Working current (ignition & running)	230V	VA	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 φ = 0.9)					
	Serial compensation	W	3,500	3,500	n/a
	Parallel compensation	VA	2,500	2,500	n/a
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 (2µF)(2)		45	300	300
	2 compensators (2 x 2µF)		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
Resistent 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 (Ø min/max)	Coil	mm²	1.5 / 10	1.5 / 10	1.5 / 10
	Load	mm²	1.5 / 10	1.5 / 10	1.5 / 10
Maximum torque on terminals		N x m	1	1	1
Ambient temperature at installation point (min./max.)		°C	-20 / +45	-20 / +45	-20 / +45

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

Wiring diagram



New