



Time Relays

Pulsar T

Function

Conditioning of incoming source to exact predictable output.

Applications



From the delayed lighting of driveways (to avoid unnecessary on/off switching), to after-circulation of a pump (to build in some hysteresis, again to avoid continuous on/off switching) to the post-present ventilation of a meeting room.

Features

- Devices with delay on (ON), delay off (OFF), combined on-off-delay (ON/OFF), astable (AS), positive edge single shot (PS) negative edge single shot (NS) and even with all the above combined in one multi-function (MF) device are available.
- User presettable prescaler and time.
- In the case of the multi-function relay, the function itself is also user selectable.
- The loss-proof safety terminals are equipped with Pozidriv screws and have IP20 protection degree.

Standards

IEC 60669-2-3



Performance

		PLT + AS	Other PLT +
Rated current (acc. IEC 669-2-3)	A	1 (static)	16
Width (number of DIN-modules)		1	1
Contacts	Changeover	-	1
	Static input	1	-
Time range	1 function	0.1s./ 60s.	1s / 60mn
	Multifunction	no	0.1s. / 20h.
Supply voltage	230/240V - 50/60 Hz	yes	yes
	24VAC/24VDC	yes	yes
Supply voltage range (in % of Un)	%	90-110	90-110
Rated power consumption			
Closed circuit current	230V VA	4.0	1.5
	24V VA	-	0.2
Working current(ignition & running)	230V VA	4.0	4.0
	24V VA	-	2.0
Light types			
Incandescent lamps		yes	yes
Fluorescent lamps		yes	yes
Switching capacity			
AC-5b Incandescent lamps (40 to 200 W lamps)	W	2,300	2,300
Fluorescence compensated (cos φ =0.9)			
	Serial compensation W	-	2,300
	Parallel compensation VA	-	1,000
Inductive load cos φ =0.5		230W	10A
	Load AC-7b W	-	900
Lifetime (in number of operations) ⁽¹⁾			
Electrical (AC-1)	at 1,200 W	2 x 10 ⁶	2 x 10 ⁶
	at full load	1 x 10 ⁶	3 x 10 ⁵
Mechanical		1 x 10 ⁷	1 x 10 ⁷
General specifications			
DIN rail mounting		yes	yes
Silent operations		yes	yes
Setting accuracy - Full range	%	+/- 15	+/- 15
Continuously adjustable time-lag		yes	yes
Front switch-off lever		yes	no
Clamping screw terminals, unlosable screws		yes	yes
Cable cross section (Ø 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)


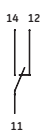
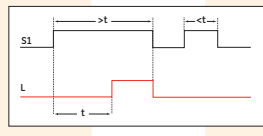


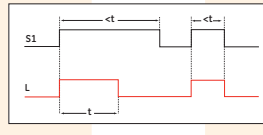

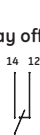
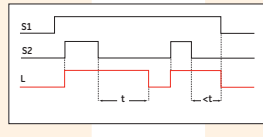

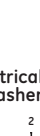
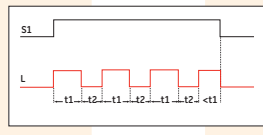
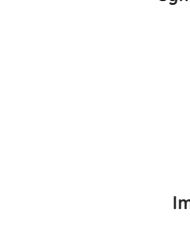

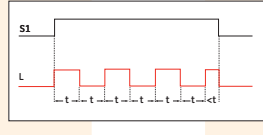

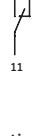
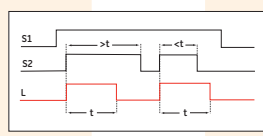


More technical data ● website

Dimensions ● pg D.45

New

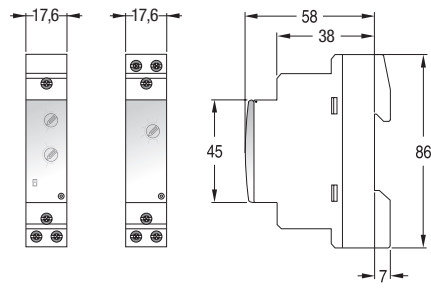


Pulsar T - Time Relays

	Nominal current	Contact combination	Coil voltage AC	Coil voltage DC	No. of Modules	Cat. No.	Ref. No.	Pack.
Delay on  	Operating scale from 1 sec. up to 60 seconds							
	16 A	1 CO	24	24	1	PLT + ON 024U 1-60S	686207	12
	16 A	1 CO	230	-	1	PLT + ON 230A 1-60S	686209	12
	Operating scale from 1 min. up to 60 minutes							
	16 A	1 CO	24	24	1	PLT + ON 024U 1-60M	686206	12
	16 A	1 CO	230	-	1	PLT + ON 230A 1-60M	686208	12
								
Positive edge single shot  	Operating scale from 1 sec. up to 60 seconds							
	16 A	1 CO	24	24	1	PLT + PS 024U 1-60S	686211	12
	16 A	1 CO	230	-	1	PLT + PS 230A 1-60S	686213	12
	Operating scale from 1 min. up to 60 minutes							
	16 A	1 CO	24	24	1	PLT + PS 024U 1-60M	686210	12
	16 A	1 CO	230	-	1	PLT + PS 230A 1-60M	686212	12
								
Delay off  	Operating scale from 1 sec. up to 60 seconds							
	16 A	1 CO	24	24	1	PLT + OF 024U 1-60S	686203	12
	16 A	1 CO	230	-	1	PLT + OF 230A 1-60S	686205	12
	Operating scale from 1 min. up to 60 minutes							
	16 A	1 CO	24	24	1	PLT + OF 024U 1-60M	686202	12
	16 A	1 CO	230	-	1	PLT + OF 230A 1-60M	686204	12
								
Asymmetrical flasher  	1 A	1 NO	230	-	1	PLT + AS 230A	686195	12
								
Symmetrical flasher  	16 A	1 CO	24	24	1	PLT + SS 024U	686218	6
	16 A	1 CO	230	-	1	PLT + SS 230A	686219	6
								
Impulse generator  	16 A	1 CO	24	24	1	PLT + IG 024U	686196	6
	16 A	1 CO	230	-	1	PLT + IG 230A	686197	6
								
Multifunction  	Operating scale from 0.1 sec. up to 60 minutes							
	16 A	1 CO	24	24	1	PLT + MF 024U 0.1S-60M ⁽¹⁾	686198*	1/6
	16 A	1 CO	230	-	1	PLT + MF 230A 0.1S-60M ⁽¹⁾	686200*	1/6
	Operating scale from 30 sec. up to 20 hours							
	16 A	1 CO	24	24	1	PLT + MF 024U 30S-20H ⁽¹⁾	686199*	1/6
	16 A	1 CO	230	-	1	PLT + MF 230A 30S-20H ⁽¹⁾	686201*	1/6

(1) PLT + MF = Multifunction, including functions PLT + ON, PLT + OF and PLT + PS.
Terminal identification, see page D.41

Time relays - Pulsar T



Dimensional drawings

A

B

C

D

E

F

G

X

