

Technical specifications

Data acc. to DIN VDE 0632			5TT1 300	5TT1 301
Rated control voltage U_c	V AC		230	
Operating range $\times U_c$			0.8 ... 1.1	
Rated frequency	Hz		50/60	
Setting ranges	operating time connection B1 degree of dimming connection B2	min %	3 ... 60 -- -- --	0.5 ... 5/20 -- -- --
Minimum pulse duration		ms	20	
Max. On period	in the event of pushbutton malfunction	%	100	
Incandescent lamp load		mA	10	40
Rated impulse withstand voltage U_{imp}		kV	> 2.5	
Direct current output	for the control of ECG dynamic	V	--	
Rated operational voltage U_e		V AC	250	
Rated operational current I_e	at p.f. = 1	A	10	
Contact gap, minimum contact load		mm V; mA	μ contact 10; 300	
Switching of lamp loads	incandescent lamp rating fluorescent lamp loads	W	1 200 1)	
Electrical service life	In switching cycles at I_e or specified lamp load and $U_e = 230$ V AC		50 000	
Terminals	\pm screw (Pozidriv)		2	
Conductor cross-sections	rigid flexible with sleeve	max. mm ² min. mm ²	2 \times 2.5 1 \times 0.5	
Permissible ambient temperature		°C	-20 ... +60	-20 ... +45
Resistance to climate	acc. to DIN IEC 60068-1		20/60/4	20/45/4

1) See table on the next page.

Data acc. to EN 60669			5TT1 310-1, 5TT1 311-1	3TT1 313-1
Rated control voltage U_c	V AC		230	230
Operating range $\times U_c$			0.8 ... 1.1	0.8 ... 1.1
Rated frequency	Hz		50 ... 60	50 ... 60
Setting range/accuracy			0.5 ... 10 min	0.5 ... 10 min
Minimum pulse duration		ms	30	30
Incandescent lamp load		mA	10	10
Rated operational voltage U_e		V AC	250	250
Rated operational current I_e	at p.f. = 1	A	16	16
Rated power dissipation	Apparent power Active power	VA W	4 1	4 1
Contact gap		mm	3	< 3
Minimum contact load		V; mA	10; 300	10; 300
Switching of lamp loads	incandescent lamp rating	W	1 200	1200
Electrical service life	In switching cycles at I_e or specified lamp load and $U_e = 230$ V AC		50 000	50 000
Terminals	\pm screw (Pozidriv)		2	2
Conductor cross-sections	rigid flexible with sleeve	max. mm ² min. mm ²	2 \times 2.5 2 \times 1.5	2 \times 2.5 2 \times 1.5
Permissible ambient temperature		°C	-20 ... +60	-20 ... +60
Resistance to climate	acc. to IEC 60068-1		20/60/04	20/60/04

Modular Installation Devices, Mounting Depth 55 mm >N<

Timers

5TT1 3 timers for building lighting

Technical specifications

Devices for switching lamps

Fluorescent and compact lamps (DULUX) in ballast operation (KVG)

Maximum number of lamps per current path at 230 V, 50 Hz

Lamp type	W	Uncorrected					Parallel-corrected					DUO circuit specifications are for lights with 2 lamps each respectively				
		S11	L18	L24	L36	L58	S11	L18	L24	L36	L58	S11	L18	L24	L36	L58
Capacitor capacitance	μF	--	--	--	--	--	4.5	4.5	4.5	4.5	7.0	--	--	--	--	--
Timers																
5TT1 300	10 A	--	22	--	22	14	--	--	--	--	--	--	21	--	21	10
5TT1 301																

Fluorescent lamps with electronic primary switching device (ballast)

Maximum number of lamps per current path at 230 V, 50 Hz

Lamp type	W	AC operation 1-lamp			2-lamp			DC operation, 3 current paths in series 1-lamp			2-lamp		
		L18	L36	L58	L18	L36	L58	L18	L36	L58	L18	L36	L58
Timers													
5TT1 300¹⁾	10 A	26	26	18	2 × 12	2 × 12	2 × 8	--	--	--	--	--	--
5TT1 301¹⁾													

1) Max. capacitive load 10 μF .

Rated power dissipation

Order No.	Short designation	Power dissipation P_v (VA)	
		coil/drive	contact ¹⁾ per pole
5TT1 300	time switch 230 V AC 10 A 1 CO contact energy-saving	3	0.9
5TT1 301	time switch 230 V AC 10 A 1 CO contact, lighting	5	0.9

1) For rated operational current.