ON/OFF switches

Technical specifications

			5TE8 1	5TE8 2
Standards			IEC/EN 60947-3, (VDE 0660-107); IEC/EN 60669-1, (VDE 0632-1); GB14048.3-2002 CCC	IEC/EN 60947-3, (VDE 0660-107); GB14048.3-2002 CCC
Approved acc. to			VDE and CCC	
Rated operational current I_e	per conducting path	A	20	32
Rated operational voltage U_e	1-pole multipole	V AC V AC	230 400	
Rated power dissipation P_v	per pole, max.	VA	0.7	
Thermal rated current I_{th}		A	20	32
Rated breaking capacity	at p.f. = 0.65	A	60	96
Rated making capacity	at p.f. = 0.65	A	60	96
Short-circuit strength in conjunction with fuse of the same rated operational current	EN 60269 gL/gG	kA	10	
Rated impulse withstand voltage U_{imp}		kV	> 5	
Clearances	open contacts between the poles	mm mm	2 x > 2 > 7	
Creepage distances		mm	> 7	
Mechanical service life		switching cycles	25000	
Electrical service life		switching cycles	10000	
Minimum contact load		V; mA	10; 300	
Rated short-time currents[2)] per conducting path at p.f = 0.7 (The respective rated surge current can be calculated by multiplying by a factor of 1.5).	 up to 0.2 s up to 0.5 s up to 1 s up to 3 s	 A A A A	 650 400 290 170	 1000 630 450 250
Terminals Max. tightening torque	± screw (Pozidriv)	 Nm	1 1.2	
Conductor cross-sections	rigid flexible, with end sleeve	mm^2 mm^2	1.5 ... 6 1 ... 6	
Permissible ambient temperature		°C	-5 ... +40	
Resistance to climate at 95 % relative humidity	according to DIN 50015	°C	45	

			5TE8 3	5TE8 4	5TE8 5	5TE8 6	5TE8 7	5TE8 8
Standards			IEC/EN 60947-3 (VDE 0660-107); GB14048.3-2002 CCC					
			--	IEC/EN 60669-1 (VDE 0632-1)				--
Approved acc. to			VDE and CCC					
Rated operational current I_e	per conducting path	A	32	40	63	80	100	125
Rated operational voltage U_e	1-pole multipole	V AC V AC	230 400					
Rated power dissipation P_v	per pole, max.	VA	0.7	0.9	2.2	3.5	5.5	8.6
Thermal rated current I_{th}		A	32	40	63	80	100	125
Rated breaking capacity	at p.f. = 0.65	A	96	120	196	240	300	375
Rated making capacity	at p.f. = 0.65	A	96	120	196	240	300	375
Short-circuit strength in conjunction with fuse of the same rated operational current	EN 60269 gL/gG	kA	10					
Rated impulse withstand voltage U_{imp}		kV	> 5					
Clearances	open contacts between the poles	mm mm	> 7 > 7					
Creepage distances		mm	> 7					
Mechanical service life		switching cycles	20000					
Electrical service life		switching cycles	10000		5000	1000		
Minimum contact load		V; mA	24; 300					
Rated power Switching of resistive loads including moderate overload AC-21	1-pole 2-pole 3-/4-pole	kW kW kW	5 9 15	6.5 11 15	10 18 30	13 22 39	16 28 48	16 28 48
Rated short-time currents[2)] per conducting path at p.f. = 0.7 (The respective rated surge current can be calculated by multiplying by a factor of 1.5).	up to 0.2 s up to 0.5 s up to 1 s up to 3 s	A A A A	760 500 400 280	950 630 500 350	1500 1000 800 560	2700 1650 1350 800	3400 2100 1700 1000	3400 2100 1700 1000
Terminals Max. tightening torque	± screw (Pozidriv)	 Nm	2 3.5					
Conductor cross-sections	rigid flexible, with end sleeve	mm^2 mm^2	1 ... 35 1 ... 35			2.5 ... 50 2.5 ... 50		
Permissible ambient temperature		°C	-5 ... +40					
Resistance to climate at 95 % relative humidity	according to DIN 50015	°C	45					