

Technical specifications

according to IEC 60947-3, EN 60947-3 (VDE 0660 Part 107) and IEC 60669-1, EN 60669-1 (VDE 0632 Part 1)			5TE4 8
Rated operational current I_e	per conducting path	A	20
Rated operational voltage U_e	1-pole	V AC	230
	multipole	V AC	400
Rated power dissipation P_v	per pole	VA	0.6
Thermal rated current I_{the}		A	20
Rated breaking capacity	at p.f. = 0.65	A	60
Rated making capacity	at p.f. = 0.65	A	60
Rated impulse withstand voltage U_{imp}		kV	> 5
Clearances	open contacts	mm	2 × > 2
	between the poles	mm	> 7
Creepage distances		mm	> 7
Mechanical service life	switching cycles		25000
Minimum contact loads		V; mA	10; 300
Rated short-time currents ¹⁾ per conducting path at p.f. = 0.7	up to 0.2 s	A	650
	up to 0.5 s	A	400
	up to 1 s	A	290
	up to 3 s	A	170
Terminals/tightening torque	± screw (Pozidriv); Nm		1; 1.2
Conductor cross-sections	rigid	mm ²	1.5 ... 6
	flexible with sleeve	min. mm ²	1
Permissible ambient temperature		°C	-5 ... +40
Resistance to climate		°C	45
according to DIN 50015 at 95 % relative humidity			

Power loss of 5TG8 05. lamps		5TG8 050	5TG8 051	5TG8 052	5TG8 053	5TG8 054	5TG8 055
Rated operational voltage U_e	V AC	12	24	48	60	115	230
Rated power dissipation P_v	mW	70	160	350	420	70	170
Rated operational voltage U_e	V DC	12	24	48	60	110	220
Rated power dissipation P_v	mW	85	190	450	550	50	135

Color	Color coding according to IEC 60073		
	Safety of people or environment	Process state	System state
Red	Danger	Emergency	Faulty
Yellow	Warning/Caution	Abnormal	
Green	Safety	Normal	
Blue	Stipulation		
White	No special significance assigned		
Gray			
Black			

¹⁾ The respective rated surge current can be established by multiplying by factor 1.5.