

BETA Switching

Switching Devices

Remote control switches

Technical specifications

		Remote control switches				Auxiliary switches	
		5TT4 101 5TT4 102 5TT4 105 5TT4 115	5TT4 103 5TT4 104	5TT4 12 5TT4 15	5TT4 13 5TT4 14	5TT4 900	5TT4 901
Standards		EN 60669 (VDE 0632), EN 60669-2-2, EN 60669-2-2/A1					
Approved acc. to		VDE 0632					
Contact type		1 NO 2 NO 1 NO 1 NC	3 NO 4 NO	ZEZA GEGA	Series shutter/blind	1 CO	1 CO
Manual operation		Yes				--	
Switching position indication		Yes	Yes	Yes	--	--	
Rated control voltage U_c		V AC V DC	8 ... 230 12 ... 110			-- --	
Operating range		x U_c	0.8 ... 1.1			--	
Rated impulse withstand voltage U_{imp}		kV	4			1	
Rated power dissipation P_v							
• Magnet coil, only pulse		W/VA	4.5/7	9/13	4.5/7 9 ¹⁾ /13 ¹⁾	4.5/7	--
• Per contact at 16 A		W	1.2				--
Minimum contact load		V AC; mA	10; 100	10; 100	10; 100	10; 100	5 AC/DC; 1
Rated operational current I_e at p.f. = 0.6 ... 1		A	16			5	0.1
Rated operational voltage U_e							
• 1P		V AC	250	--	--	250	30 AC/DC
• 2P		V AC	250/400	--	250/400	--	--
• 3P		V AC	--	400	400	--	--
• 4P		V AC	--	400	--	--	--
Glow lamp load at 230 V		mA	5			--	
• With 1 5TT4 920 compensator		mA	25			--	
• With 2x 5TT4 920 compensators		mA	45			--	
Incandescent lamp load		W	2400			--	
Different phases between magnet coil/contact			Permissible				--
Contact gap		mm	> 1.2				< 1.2
Safe isolation Creepage distances and clearances between magnet coil/contact		mm	> 6				
Pushbutton malfunction Protected against continuous voltage, safe due to design			Yes	PTC	Yes ¹⁾	Yes	--
Minimum pulse duration		ms	50				
Electrical service life at I_e/U_e or specified lamp load		for switching cycles	50000				
Terminals ±screw (Pozidriv)			1				
Conductor cross-sections							
• Rigid		mm ²	1.5 ... 6			0.5 ... 4	
• Flexible, with end sleeve		mm ²	1 ... 6			0.75 ... 4	
Resistance to climate at 95 % relative humidity acc. to DIN 50015		°C	35				
Permissible ambient temperature		°C	-10 ... +40				
Degree of protection acc. to EN 60529			IP20, with connected conductors				
Mounting position			Any				

¹⁾ For 2.5 MW 5TT4 123-0 devices with PTC.