Technical specifications

			5TT3 470	5TT3 471
Rated control voltage U_c		V AC V DC	220 ... 240 --	-- 12 ... 280
Operating range	for AC supply for DC supply	× U_c	0.8 ... 1.1 --	-- 0.9 ... 1.25
Frequency range for U_c		Hz	45 ... 400	--
Rated power dissipation P_v	for AC supply for DC supply	approx. VA approx. W	2 --	-- 1
Rated impulse withstand voltage U_{imp}	terminals A1 to A2 terminals L to PE terminals A1, A2 to L, PE terminals against contacts	kV kV kV kV	< 4 < 4 < 4 < 6	< 4 < 4 < 3 < 6
Measuring circuit			for AC systems	for direct voltage systems
Measurement voltage range U_{meas}		V AC V DC	0 ... 500 --	-- 12 ... 280
Operating range		× U_{meas}	0 ... 1.1	0.9 ... 1.1
Frequency range for U_{meas}		Hz	10 ... 1000	--
Alarm values	measuring shunt R_{AL}	kΩ	5 ... 10	5 ... 200
Setting of alarm value	on absolute scale		infinitely variable	infinitely variable
Alternating current internal resistance	internal testing resistor	kΩ	> 250	--
Direct current internal resistance	internal testing resistor L+ and L- to PE	kΩ kΩ	> 250 --	-- 75 each
Measurement voltage	internal	approx. V DC	15	--
Max. measurement current	short-circuit	mA	< 0.1	0.2 ... 4 depending on the voltage
Direct interference voltage	max. permissible	V DC	500	--
Response delay	at R_{AL} 50 kΩ and 1 µF and ∞ up to 0.9 x R_{meas} and R_{meas} from ∞ to 0 Ω	 s s	 < 1.3 < 0.7	 0.8 0.4
Switching hysteresis	at R_{meas} 50 kΩ	%	15	10 ... 15
Contact	µ contact		2 COs	2 COs
Rated operational voltage U_e		V AC	250	250
Rated operational current I_s	thermal current limit I_{th} AC-13 at 24 V DC AC-13 at 250 V DC AC-15 AC-15 NO contacts AC-15 NC contacts	A A A A A A	4 -- -- -- 5 2	 3 0.2 3 -- --
Terminals	+/- screw (Pozidriv)		2	2
Conductor cross-sections	rigid flexible with sleeve	max. mm^2 min. mm^2	2 × 2.5 1 x 0.50	
Permissible ambient temperature		°C	-20 ... +60	
Degree of protection	according to EN 60529	°C	IP20	
Resistance to climate	according to EN 60068-1		20 / 060 / 04	