

Monitoring Devices

5TT6 1 current relays

Technical specifications

Data according to DIN VDE 0435-303, IEC 60255		5TT6 111	5TT6 112
Rated control current I_c	A	1 ... 10	
Rated control voltage U_c	V AC	230	
Operating range U_c	V	0.9 ... 1.1	
Overload capability, continuous	A	15	
Overload capability, short-time	A	20	
	at 50 °C ambient temperature max. 3 s		
Rated frequency	Hz	50/60	
Response values $\times I_c$	switching on infinitely variable, switching off non-adjustable	0.1 ... 1 4 % hysteresis	
Switching delay t_v	infinitely adjustable	s	0.1 ... 20
Response time	non-adjustable	ms	1)
Minimum contact load		V/mA	10/100
Rated insulation voltage U_i	between coil/contact	kV	2.5
Contacts	μ contact (AC-15) NO contacts NC contacts	A A	3 1
Electrical isolations	creepage and clearances actuator/contact	mm	3
Rated impulse withstand voltage U_{imp}	actuator/contact	kV	> 4
Terminals	+/- screw (Pozidriv)		1
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
Resistance to extreme climates	according to EN 60068-1		20/60/4

Data according to DIN VDE 0435-303, IEC 60255		5TT6 113	5TT6 114	5TT6 115	5TT6 120
Rated control current I_c	A A A A	4 ranges 0.1 ... 1 0.5 ... 5 1 ... 10 1.5 ... 15			1 area 0.5 ... 5
Rated control voltage U_c	V AC	230			
Operating range U_c	V	0.9 ... 1.1			
Overload capability, continuous	A	20			15
Overload capability independent of measuring range	A	30			
	at 50 °C ambient temperature max. 3 s				
Rated frequency	Hz	50/60			
Response values $\times I_c$	switching on infinitely variable, switching off non-adjustable	1 ... 10 4 % hysteresis			
Switching delay t_v	infinitely adjustable	s	0.1 ... 20		
Response time	non-adjustable	ms	see page 5/27		
Minimum contact load		V/mA	10/100		
Rated insulation voltage U_i	between coil/contact	kV	2.5		
Contacts	μ contact (AC-15) NO contacts NC contacts	A A	5 1		
Electrical isolations	creepage distances and clearances actuator/contact	mm	3		
Rated impulse withstand voltage U_{imp}	actuator/contact	kV	> 4		
Terminals	+/- screw (Pozidriv)		1		
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		
Resistance to extreme climates	according to EN 60068-1		20/60/4		

1) Current corresponds to the rated operational power of the continuous-flow heater.