

Temperature limiter Thermostat

20
21
72
73

TF

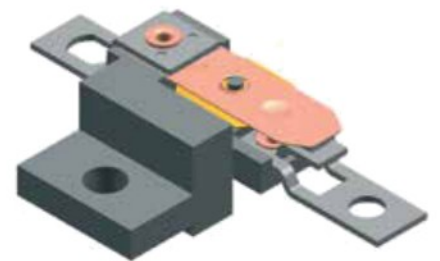


Applications

- Household appliances
- Electronics
- Fan heaters
- Automotive industry

Benefits




- More safety by self hold types
- PCB terminals available
- Customised ratings



TRIUMPH FORTUNE LTD.



Technical data (standard types)

ratings	TCO	TF10	TF20 TF21	TF70 TF71	TF72 TF73
function		automatic	automatic	self hold 230 V	self hold 120 V
version		normally closed			
VDE	rated current at 50 / 60 Hz (power factor 0.95 / 0.6)	13 A / 2.5 A (250 V)	16 A / 2.5 A (250 V)		
	switching cycles	10,000	10,000		
	temperature range T _a (steps in 5 K)	70°C ... 160°C	65°C...140°C		
UL	rated current at 50 / 60 Hz (power factor 1.0 / 0.75)	13 A / 2.5 A (125 V)	16 A / 6.3 A (120 V)		
	switching cycles		6,000		
	temperature range T _a (steps in 5 K)	70°C ... 160°C	65°C...140°C		
tolerance		standard: ± 5 K			
feature of automatic action		1.C	2.B	2.B	
contact resistance		< 50 mΩ			
hysteresis / reset temperature ¹⁾		30 K ± 15 K	30 K ± 15 K	- / < -30°C ²⁾	
suitable for use in protection class		I, II			
approvals	VDE / ENEC 	EN 60730-1 / -2-9			
	UL 	UL 873			
	CSA	C22.2 No. 24 ³⁾			
	CQC 	GB14536.1-1998 / GB14536.10-1996 ⁴⁾			


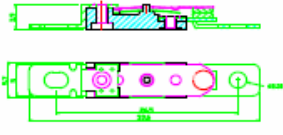

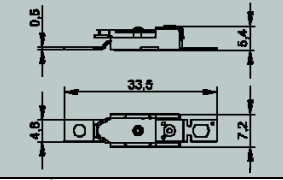
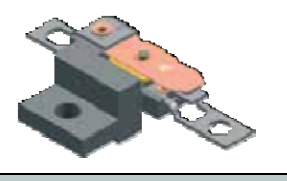
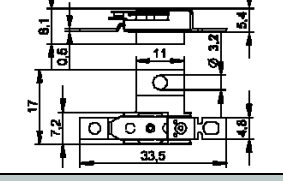

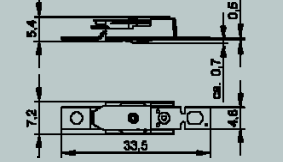
¹⁾ at the T_a (upper and lower) limits the hysteresis could deviate

²⁾ without air flow

³⁾ different power rating

⁴⁾ details on request

Standard types

TCO standard	illustration	drawing dimensions (mm)	technical specification	approvals
TF10			Base of ceramic	VDE, UL, CSA
TF20			base of thermosetting plastic	VDE, UL, CSA
TF21 TF71 TF73			screw-on fixing base of thermosetting plastic	VDE, UL, CSA
TF70 TF72			voltage maintained PTC 120V or 230V base of thermosetting plastic possible screw-on fixing dimensions see above	VDE, UL, CSA