

DATA SHEET: TEMCONTACT 2 TC-85a

Ratings and Specifications

Model	Parameter	Unit	TC-85a
Number of poles Frame size Screw Clamp Terminal			3 pole 100AF ●
Electrical Characteristics			
Rated operation voltage, Ue Rated insulation voltage, Ui Rated frequency Rated impulse withstand voltage, Uimp		V V Hz kV	690 1000 50/60 8
Operation			
Maximum operating rate in operating cycles per hour Endurance			1800 operations per hour 12 mil. operations 2 mil. operations
Current and Power Rating			
Thermal current Switching Power Switching Current	AC-1 AC-3 200/240V 380/440V 500/550V 690V	A kW A kW A kW A	135 25 85 45 85 45 75 45 45
UL rating (50/60 Hz) Switching Power	Continuous Current Single Phase 110~120V 220~240V	A HP HP	135 7.5 15
	Three Phase 200~208V 220~240V 440~480V 550~600V	HP HP HP HP	30 40 60 75
Size and Weight			
AC Control	Weight Size (WxHxD)	Kg. mm	1.6 70 x 140 x 137
DC Control	Weight Size (WxHxD)	Kg. mm	2.6 70 x 140 x 174
Nema Size			3
Auxilliary Contacts			
Auxilliary (standard) Side mount (optional) Front mount (optional)			2NO 2NC TSU-01 TSU-20, TSU-40

TK TYPE TK-95 THERMAL OVERLOAD RELAYS

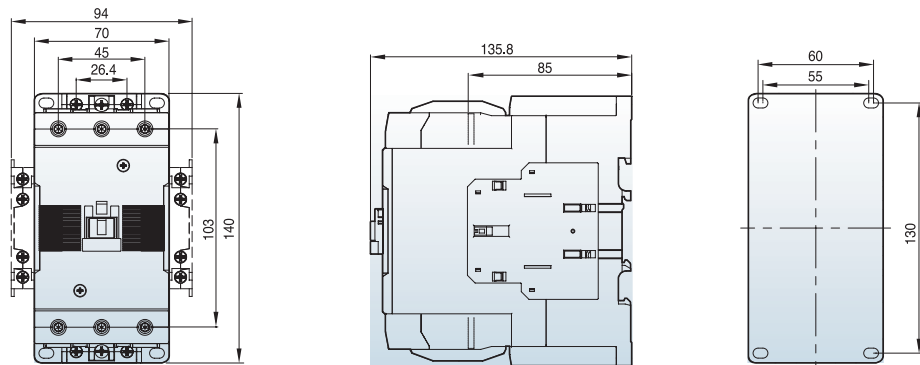
Model	Parameter	Unit	TK-95
Screw Clamp Terminal			●
Electrical Characteristics			
Rated operational voltage, Ue Rated insulation voltage, Ui Rated impulse withstand voltage, Uimp	Ue Ui	V V kV	690 690 6
Setting range			
Trip Class Setting Range		A	10, 20 7 ~ 100A
Size and Weight			
	weight Size (WxHxD)	kg mm	0.5 70 x 97 x 110

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Outline Dimensions TC-85a

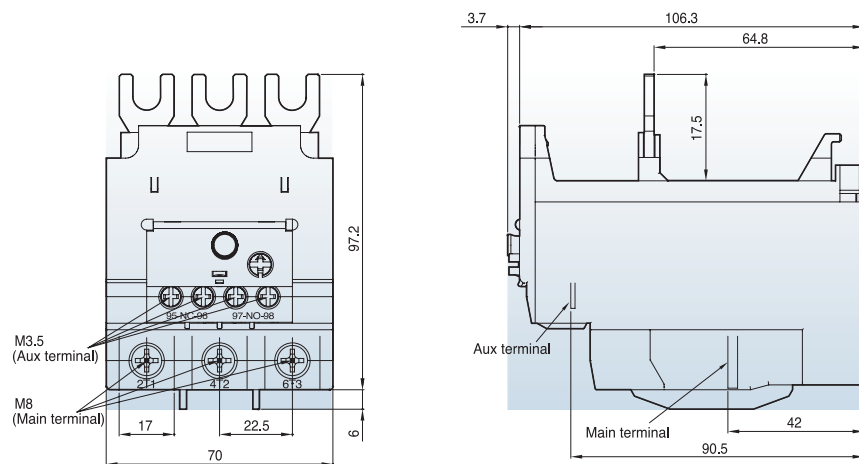
TC-75a~100a AC

2NO2NC



1.9kg

TK-95



474g

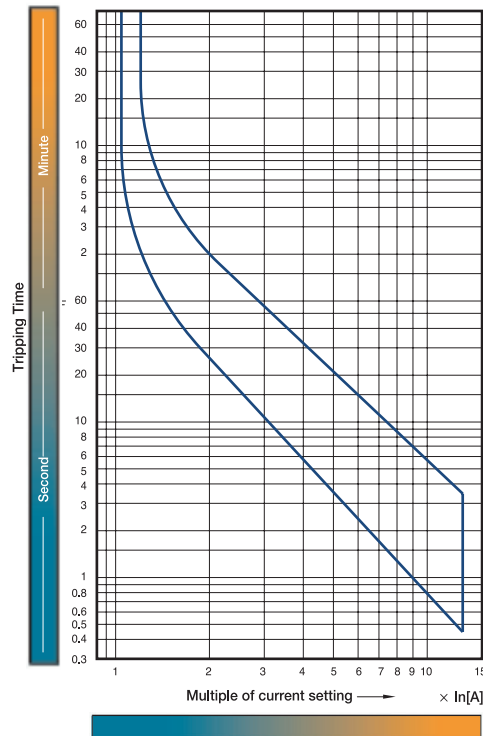
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Time/Current Characteristics Curves

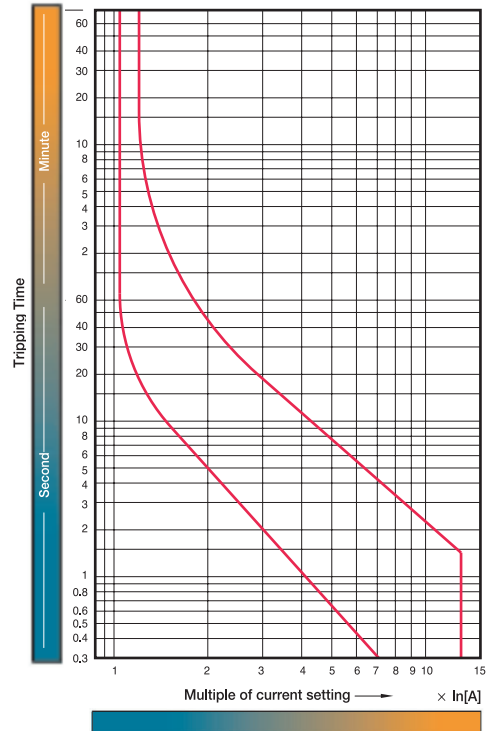
Class 10A, 100AF

TK-95

Cold starting



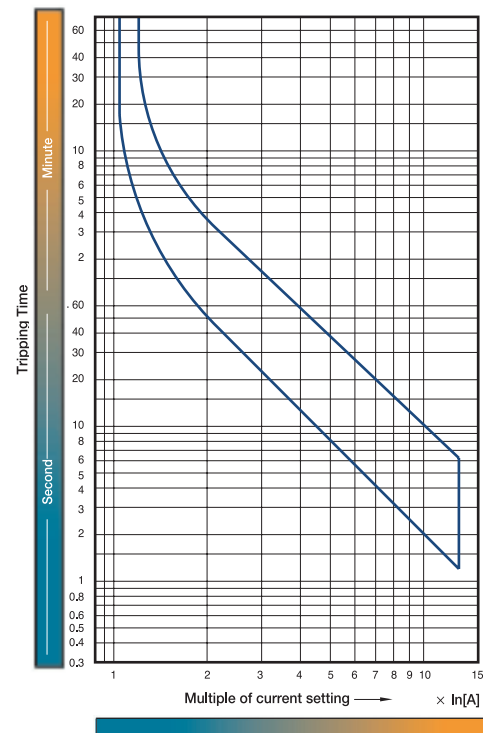
Hot starting



Class 20, 100AF

TK-95

Cold starting



Hot starting

