Product Data Sheet Characteristics



Metasol Thermal Overload Relay

MT-32/2H

General

Product code	1296001500
Product description	MT-32 19A 2H SCREW EXP (MT32-2H-19-S-E)
Heater type	2H (Non differential 2-heater, Trip class 10A)
Current range	19(16~22A)
Type of terminal	Screw
Local/Export	Export
Standards	IEC 60947-4-1, IEC 60947-5-1, UL508
Certificates	CE, UL
	KR, LR, BV, DNV, ABS, NK, RINA

Characteristics

Poles description	3P
Trip class	10A
Rated operational voltage [Ue]	690V
Rated insulation voltage [Ui]	690V
Rated withstand voltage [Uimp]	6kV
Rated frequency [Hz]	50/60Hz

Temperature compensation (℃)	-5℃ ~ 40℃
Functions	Trip indicating
	Stop
	Test
	Manual/Automatic Reset
Type 2 Coordination with MCCB & TOR (440V)	See the Type 2 table
Conductor size (AWG)	18~8
Conductor size (mm2)	6~10
Conductor charateristic	65/75℃ Cu-wire only
Main terminal size	M4
Torque (lb-in)	20
Torque (Nm)	2.26
Torque (kgf.cm)	22.9

Environment

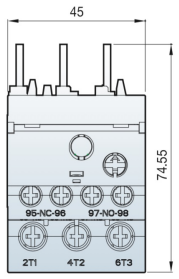
Degree of protection	IP20
Ambient air temperature	-30℃ ~ +65℃ at storage
	-25℃ ~ +60℃ at operation
Mounting position	Vertical plane
Shock resistance (1/2 sin wave=11ms)	15gn - 11ms
Vibration resistance (Conforming to IEC68-2-6) (5~300Hz)	6G
REACH	Yes
RoHS	Yes
WEEE	Yes

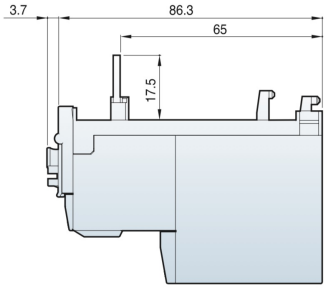
Dimensions

Weight (kg)	0.17
Size width	45mm / 1.85inch

Size height	75mm / 3.09inch
Size depth	90mm / 3.7inch

MT-32





167g

Auxiliary contacts

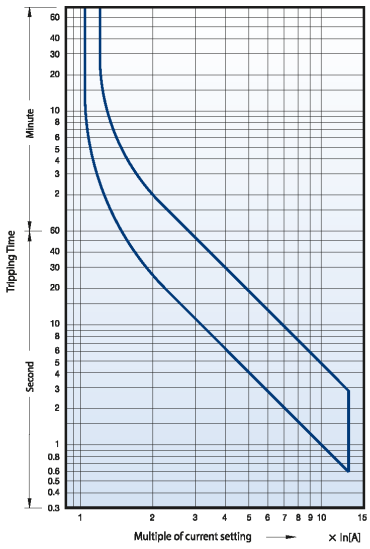
Composition	1NO+1NC
Rated thermal current	5A
Rated operation current	C600,R300
Rated operation current	1.5A at 120V (AC15 duty)
Rated operation current	0.75A at 240V (AC15 duty)
Rated operation current	0.47A at 380V (AC15 duty)
Rated operation current	0.375A at 480V (AC15 duty)
Rated operation current	0.35A at 500V (AC15 duty)
Rated operation current	0.3A at 600V (AC15 duty)
Rated operation current	0.22A at 120V (DC13 duty)
Rated operation current	0.1A at 240V (DC13 duty)
Conductor size (AWG)	18
Conductor size (mm2)	1
Conductor charateristic	65/75°C Cu-wire only

Characteristic Curve

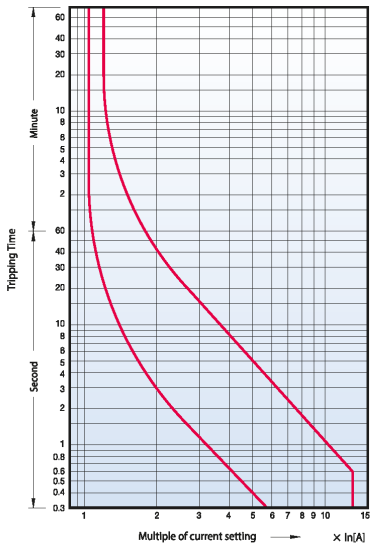
Class 10A, 40AF

MT-32/2H
MT-32/3H
MT-32/3K

Cold starting



Hot starting



LS ELECTRIC