Data Sheet - TRU Components

BN: 1565949 Circuit Breaker with 2 nuts mounting

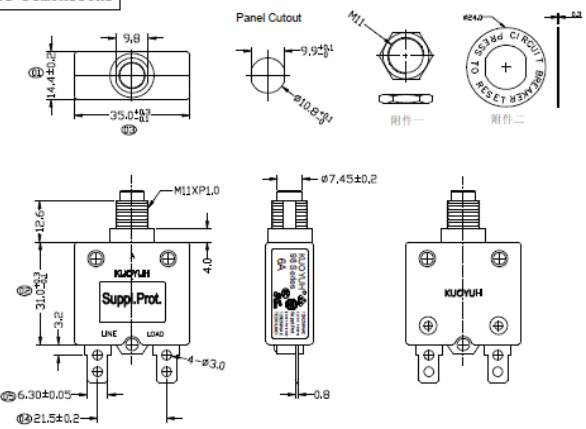
Last updated: 8 April 2024

Technical Table

Circuit Breakers for Equipment
98 series

98 series circuit breaker for equipment is used as overload protection device applying to electrical equipment within the branch circuit at AC 50/60Hz, rated voltage to 250Vac, DC 32Vdc and rated current to 60A. The key temperature -sensing element with double metal materials is used as a heat-sensitive sensor as well as a operating system, which is tripping accurately and reliable, which is also applying to a variety of mechanical and electrical appliances. e.g. electric tools, outlet, all kinds of generators, motors (like cleaning machine), ups and heating appliances etc.

Overall Dimensions



Technical Data

Rated Voltage	125/250VAC 32VDC
Rated Current	6A
Conditional short-circuit current	1000A (UL1077)
Insulation Resistance	500VDC 5s", Insulation Resistance≥100MΩ
Dielectric Strength	1500VAC/min
Reset time	Less than 60 sec
Reset	manual push reset

TOLERANCE		UNIT: MM
DIMENSION	TOLERANCE	UNIT WEIGHT:
≤10	±0.3	REV A/0
>10	±0.5	
PART NO.	98-06-A11B014-B0BB8	

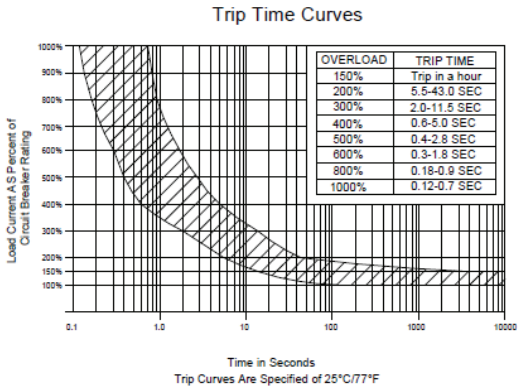
Derating Factor Table

Ambient temperature		-10°C	0°C	5°C	15°C	25°C	40°C	50°C	60°C
Multiplication factor	≤5A	*0.70	*0.80	*0.85	*0.95	*1.0	*1.10	*1.26	*1.52
	>5A	*0.65	*0.72	*0.76	*0.88	*1.0	*1.05	*1.10	*1.28

The time/current characteristic curve depends on the ambient temperature prevailing. In order to eliminate nuisance tripping. Please multiply the current breaker current ratings by the derating factor shown below. The above values are for reference only due to the different environment and wire rod used.

Example : Normal Continuous Current = 10A
Ambient Temperature = 40°C
Multiplication Factor = 1.05
Recommended Rating= 10A*1.05=10.5A
Select the Nearest Rating = 11A

Trip Time Curves (+25°C)



OVERLOAD	TRIP TIME
150%	Trip in a hour
200%	5.5-43.0 SEC
300%	2.0-11.5 SEC
400%	0.6-5.0 SEC
500%	0.4-2.8 SEC
600%	0.3-1.8 SEC
800%	0.18-0.9 SEC
1000%	0.12-0.7 SEC

Mechanical/Environmental Date

Opertaing Temperature :-10℃ to 60℃
Terminal:Quiek plug terminal, Soldering tin Terminal or lock screw terminal
Nut:Multiple choice(Product Addendum & diagrams)
Temperature Rise at Terminal Block:less than at 100% of rated current applied continuously (temperature is 25℃)
Contact endurance:more than 500 cycles at rated current and 125VACX150%

authentication ( )

authentication	Certificate NO	Rated Current	Rated Voltage	Standard
CUL	E155159	3-60A	125/250VAC	UL1077
TUV	B0586110013	3-60A	125-250VAC 32VDC	EN60934
CCC	2011010307520568	3-30A	125/250VAC	GB17701
VDE	40036160	3-16A	125/250VAC	EN60934

Approved: Date: Check: Date: Drawer:PXC Date: 2024.04.03