




## Installation recommendations

JDA TD and TS circuit breakers equipped with thermal magnetic trip units may be used between  $-25^{\circ}\text{C}$  and  $+70^{\circ}\text{C}$ . For temperature higher than  $40^{\circ}\text{C}$ , the circuit breakers should be derated. And, altitude does not significantly affect circuit breaker characteristics up to 2000m.


Please do not install the circuit breakers in place of environment with shock, high temperature, humidity, dust, corrosive gases, excessive vibration, etc. to prevent fire accidents and malfunction of the device.

- 1) Operating Ambient Temperature:  $-5$  to  $40^{\circ}\text{C}$
- 2) Permissible storage-temperature:  $-40^{\circ}\text{C}$  to  $85^{\circ}\text{C}$
- 3) Relative Humidity: 45~85%
- 4) Altitude: less than 2,000m




**Circuit breakers equipped with thermal magnetic trip units**  
For temperature higher than  $40^{\circ}\text{C}$ , the circuit breakers should be derated. But, on a request, we can supply Susol TD and TS circuit breakers which are particularly designed to hold 100% rated current (In) at  $55^{\circ}\text{C}$  without tripping in normal condition.


**Circuit breakers equipped with electronic trip units**  
Susol TS circuit breakers equipped with electronic trip units may be used between  $-20^{\circ}\text{C}$  and  $+70^{\circ}\text{C}$ . For temperature higher than  $40^{\circ}\text{C}$ , the circuit breakers should be derated.



Susol TD and TS circuit breakers equipped with thermal magnetic trip units are designed to enable power supply, switching and short circuit breaking by  $-25^{\circ}\text{C}$ . And, the permissible storage temperature range in the original packing is  $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$ .



For the use of where dust or vapour is much contained, it is strongly recommended to put it into enclosure of dustproof or waterproof. Excessive vibration may cause tripping, breaks in connections or damage to mechanical parts.



In the environment containing corrosive gas, it is recommended to use MCCB of added corrosion resistive enclosure or in any enclosure of protective structure.