



TB-125A DC MCB

Application Scope

The TB-125A series molded case circuit breaker is primarily designed for use in AC 50Hz power circuits with a rated voltage up to 400V and a rated operating current up to 125A, providing overcurrent protection for power facilities and electrical equipment; it can also be used for infrequent switching operations.

This circuit breaker complies with the requirements of the GB/T 14048.2 standard.

Technical Parameters

Model	
Frame size rated current (Inm)	125A
Rated operational voltage (Ue)	1P: AC 230V/240V 50/60Hz; 2P/3P/4P: 400V/415V 50/60Hz 1P: DC 60V/125V; 2P: DC 125V/250V (Note: DC supports non-polarized wiring)
Rated current (In)	63A, 80A, 100A, 125A.
Instantaneous tripping type	Type C ($8I_n \pm 20\%$); Type D ($14I_n \pm 20\%$).
Rated breaking capacity	$I_{cu} = 15kA$ (1P DC 60V, 2P DC 125V); $I_{cu} = 10kA$ (AC, 1P DC 125V, 2P DC 250V) $I_{cs} = 15kA$ (1P DC 60V, 2P DC 125V); $I_{cs} = 7.5kA$ (AC, 1P DC 125V, 2P DC 250V)
Poles	1P, 2P, 3P, 4P.
Service life	Mechanical life 7,000 cycles; Electrical life 1,500 cycles.
Rated insulation voltage (Ui)	500V.
Rated impulse withstand voltage (Uimp)	4kV
Normal Operating Conditions	Upper limit not exceeding +70°C, lower limit not lower than -35°C, 24-hour average not exceeding +35°C. Reference temperature is +30°C
Altitude	The altitude of the installation site shall not exceed 2000 m.
Pollution degree	2
Installation category	II, III.
Mounting method	DIN rail mounting.

Appearance and Dimensions

