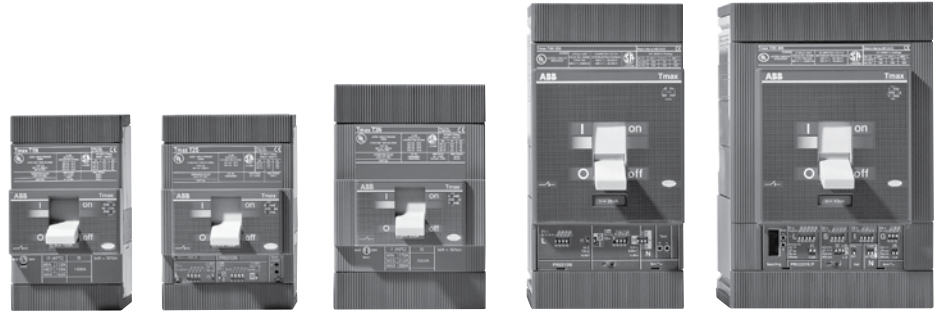


Tmax Molded case circuit breakers



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Introduction

ABB is once again demonstrating its commitment to new product development and its superiority in product technology. Never before has the industry seen such high performance, versatility and standardization in a range of molded case circuit breakers.

The ABB Tmax line of circuit breakers, with a range up to 3000A, has several key features that go along with its very small size:

- Double insulation – this construction characteristic allows for the UL Listed field installation of internal accessories without exposure to energized parts.
- Complete range of electrical and mechanical accessories
- Positive operation – breakers from ABB ensure that the toggle indicates the precise position of the moving contacts. This guarantees safe and reliable signaling by the device.
- Installation – Tmax molded case circuit breakers can be installed in panels and switchboards in either the horizontal or vertical planes while being fed from either end without any derating of their performance characteristics.
- Interrupting ratings at 480VAC up to 150kAIC.
- Compact size
- All Tmax molded case circuit breakers are UL Listed and IEC rated for global application and acceptance.
- All versions of the Tmax family are suitable for reverse feed applications.

The ABB Tmax product line has the performance and accessories to satisfy all industry requirements in the 600VAC to 600VDC ranges.

Frame sizes – Nine basic sizes

The ABB Tmax series includes nine basic frame sizes as well as the T1 single pole with the range rated from 15A to 3000A at 480VAC. The various versions carry the following interrupting capacities:

- **B** Basic breaking capacity
- **N** Normal breaking capacity
- **S** Standard breaking capacity
- **H** High breaking capacity
- **L** Extra high breaking capacity
- **V** Very high breaking capacity

Derived versions

- Thermal magnetic
- Electronic
- Molded case switches
- Motor circuit protectors (MCPs)
- Direct current (DC) rated

ABB Tmax versions

- Fixed: all models
- Drawout or plug-in: T2, T3, Ts3, T4, T5, T6, T7 & T7M
- UL File #E93565 (breakers and MCPs)
#E116596 (Accessories)
#E116595 (Molded case switches)

General information

Catalog number explanation

T3 S 080 T W - 4 xxx

Accessories (added in alpha-numeric order) [Ⓞ]

- A** = Auxiliary Switch
- S_** = Shunt trip with voltage code
- U_** = Undervoltage release with voltage code

Number of poles

- 1 = 1 pole (T1 only)
- 2 = 2 pole
- 4 = 4 pole
- None** = 3 pole

Type connectors

- W** = None
- L** = Lugs included

Trip unit function

- B** = LS/I (AC only)
- D** = Molded Case Switch (MCS)
- T** = Thermal-magnetic
- M** = Magnetic only (MCP)
- E5** = Electronic MCP (AC only)
- C** = LSI (AC only)
- E** = LSIG (AC only)

Current rating

- 015** = 15A
- 080** = 80A
- 100** = 100A
- 225** = 225A
- 250** = 250A
- 400** = 400A
- 600** = 600A
- 800** = 800A
- 1200** = 1200A

Interrupting rating class

- B** = Basic
- N** = Normal
- S** = Standard
- H** = High
- L** = Extra High
- V** = Very high

Frame size

- T1** = 100A
- T2** = 100A
- T3** = 225A
- Ts3** = 225A
- T4** = 250A
- T5** = 400A, 600A
- T6** = 600A, 800A
- T7** = 1000A, 1200A (toggle)
- T7M** = 1000A, 1200A (stored energy)
- T8** = 1600A, 2000A, 2500A, 3200A



[Ⓞ] Consult ABB for factory installed accessories.