

SACE® Tmax® XT Molded Case Circuit Breakers

XT7/XT7M – 800A/1000A/1200A Frame Sizes



Tmax XT7 — 1200 A frame available up to 600 V UL. MCS, MCP, basic and advanced electronic trip units. Max. interrupt rating of 100 kA at 480 V, 65 kA at 600 V. A powerful package capable of monitoring and controlling distribution.

Tmax XT7M — Same as above, plus integrated stored energy mechanism allows easier operation. An optional spring charging motor allows effortless power control

| Molded Case Circuit Breaker (MCCB) | | XT7/XT7M | | | |
|------------------------------------|-------------------------|-------------------------|---|----------|----------|
| Frame Size | | [A] | 800-1000-1200 | | |
| Poles | | [No.] | 3, 4 | | |
| Rated Voltage | (AC) 50-60 Hz | [V] | 600 | | |
| | (DC) | [V] | - | | |
| Versions | | | Fixed, Withdrawable | | |
| Interrupting Ratings | | | S | H | L |
| 240 VAC | | [kA] | 65 | 100 | 200 |
| 480 VAC | | [kA] | 50 | 65 | 100 |
| 600Y/347 VAC | | [kA] | - | - | - |
| 600 VAC | | [kA] | 25 | 50 | 65 |
| 250 VDC 2p in series | | [kA] | - | - | - |
| 500 VDC 2p in series | | [kA] | - | - | - |
| 500 VDC 3p in series | | [kA] | - | - | - |
| 500 VDC 4p in series | | [kA] | - | - | - |
| 600 VDC 3p in series | | [kA] | - | - | - |
| Mechanical Life | | [No. Operations] | 10,000 | | |
| | | [No. Hourly Operations] | 60 | | |
| Dimensions - Fixed | 3p | [mm]/[in.] | XT7 [210 x 167 x 268]/[8.27 x 6.57 x 10.55] | | |
| | | | XT7M [210 x 178 x 268]/[8.27 x 7.01 x 10.55] | | |
| (W x D x H) | 4p | [mm]/[in.] | XT7 [280 x 166 x 268]/[11.02 x 6.57 x 10.55] | | |
| | | | XT7M [280 x 178 x 268]/[11.02 x 7.01 x 10.55] | | |
| Weight | Fixed 3p/4p | [kg - lb] | XT7M [11 - 24.25]/[14 - 30.86] | | |
| | Plug-in (EF) 3p/4p | [kg - lb] | - | | |
| | | | XT7 [29.7 - 65.48]/[39.6 - 87.3] | | |
| | Withdrawable (EF) 3p/4p | [kg - lb] | XT7M [32 - 70.55]/[42.6 - 93.92] | | |

Compliance with standards

SACE® Tmax XT circuit breakers and their accessories are constructed in compliance with¹:

- Standards:
 - UL489 (MCCB File # E93565, MCS File # E116595, & Accessories File # E116596) and CSA C22.2;
 - HACR Type
- Directives:
 - EC “Low Voltage Directive” (LVD) N° 2014/35/EC;
 - EC “Electromagnetic Compatibility Directive” (EMC) 2014/30/EC;
- Shipping Registers approvals upon request.

Terminal options

Fixed version:

The standard fixed version of the SACE® Tmax XT circuit breakers are supplied with front terminals (F) and can be fitted with the following types of terminals as accessories thanks to the special kits:

- Extended front (EF)
- Extended spread front (ES)
- Front for copper/aluminum cables (FCCuAl)
- Horizontal rear terminals (HR)
- Vertical rear terminals (VR)

Withdrawable versions:

Please see the [Tmax XT Technical Catalog](#) for more details.

Trip unit options

- Ekip Dip (LS/I, LSI, LIG, LSIG)
- Ekip Touch (LSI, LSIG)
- Ekip Touch Measuring (LSI, LSIG)
- Ekip Hi-Touch (LSI, LSIG)
- Ekip M Dip (I)
- Ekip M Touch (LRIU)
- Ekip G Dip (LS/I)
- Ekip G Touch (LSIG)
- Ekip G Hi-Touch (LSIG)
- Molded Case Switch (MCS)

Accessories

- Terminal Options
- Auxiliary Contacts
- Operating Mechanisms (Direct Handles, Extended Handles, Flange Handles, etc.)
- Remote Control (Shunt Trip, Undervoltage Release, Motor Operator, etc.)
- Safety and Protection (Terminal Covers, Phase Separators, Padlocks, Keylocks, IP Protection, etc.)
- Interlocks

Included with the breaker

The breaker comes with breaker mounting hardware, terminal hardware, and an IP30 flange for the enclosure door.

Temperature rating

Tmax XT circuit breakers can be used in ambient air temperatures varying between -25°C and +70°C, and can be stored at temperatures between -40°C and +70°C. Please consult the [temperature performance derating tables](#) for temperature values outside of +40°C. The reference temperature for the trip units is +40°C. Note that the lug and wire insulation ratings are +75°C, so care should be exercised when operating near this temperature in order not to exceed these ratings.

100% rated

A Fixed XT7/XT7M breaker is suitable for continuous operation at 100-percent of rating up to 1200A with 90°C wire. The wire size shall be based on the ampacity of 75°C rated wire.

Single phase application

XT7 three pole circuit breakers can be used in single phase applications. For this purpose, they are marked as follows according to UL standard: Suitable for single phase application up to 600VAC.

Reverse feed capabilities

Power can be supplied from the bottom terminals of the XT7/XT7M breaker up to the maximum voltage rating.

Related links

[Installation Instructions](#)

Drawings

- [XT7 Fixed 3-4p breaker \(2D\)](#)
- [XT7 Fixed 3p breaker \(3D\)](#)
- [XT7 Fixed 4p breaker \(3D\)](#)
- [XT7M Fixed 3-4p breaker \(2D\)](#)
- [XT7M Fixed 3p breaker \(3D\)](#)
- [XT7M Fixed 4p breaker \(3D\)](#)

1. Product complies with listed standards and directives as of the date of this publication