

SACE® Tmax® XT Molded Case Circuit Breakers

XT1 – 125A Frame Size



125 A frame available up to 480 V Delta UL. Thermal-magnetic, MCS and MCP trip units. Max. interrupt rating of 65 kA at 480 V. Offers savings versus 600V rated systems in most distribution applications.

Molded Case Circuit Breaker (MCCB)		XT1			
Frame Size		[A]	125		
Poles		[No.]	3, 4		
Rated Voltage	(AC) 50-60 Hz	[V]	600Y/347		
	(DC)	[V]	500		
Versions			Fixed, Plug-in		
Interrupting Ratings			N	S	H
240 VAC		[kA]	50	65	100
480 VAC		[kA]	25	35	65
600Y/347 VAC		[kA]	18	22	25
600 VAC		[kA]	-	-	-
250 VDC 2p in series		[kA]	35	42	50
500 VDC 2p in series		[kA]	-	-	-
500 VDC 3p in series		[kA]	-	-	-
500 VDC 4p in series		[kA]	35	50	50
600 VDC 3p in series		[kA]	-	-	-
Mechanical Life		[No. Operations]	25,000		
		[No. Hourly Operations]	240		
Dimensions - Fixed (W x D x H)	3p	[mm]/[in.]	[76.2 x 70 x 130]/[3 x 2.75 x 5.12]		
	4p	[mm]/[in.]	[101.6 x 70 x 130]/[4 x 2.75 x 5.12]		
Weight	Fixed 3p/4p	[kg - lb]	[1.1 - 2.43]/[1.4 - 3.07]		
	Plug-in (EF) 3p/4p	[kg - lb]	[2.21 - 4.87]/[2.82 - 6.22]		
	Withdrawable (EF) 3p/4p	[kg - lb]	-		

Compliance with standards

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

- Standards
 - UL489 (MCCB File # E93565 & MCCB Accessories File # E116596) and CSA C22.2;
- 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) can be fitted with the following types of terminals as accessories using special kits:

- Extended front (EF)
- Extended spread front (ES)
- Front for copper/aluminum cables (FCCuAl)
- Front for copper cables (FCCu)
- For flexible busbars (FB)
- Multicable (MC)
- Rear oriented (R)

Plug-in version:

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

Trip unit options

- Thermal Magnetic Fixed (TMF)
- Molded Case Switch (MCS)
- Motor Circuit Protector (MCP)

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
- Residual Current Devices

Included with the breaker

The breaker comes with breaker mounting hardware, terminal hardware, phase barriers, and an insulation backplate.

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 not to exceed these ratings.

100% rated

A Fixed XT1 breaker is suitable for continuous operation at 100% of rating up to 100A with 90°C wire. The wire size shall be based on the ampacity of 75°C rated wire.

Single phase application

XT1 three pole circuit breakers 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 347VAC.

Reverse feed capabilities

Power can be supplied from the bottom terminals of the XT1 breaker up to the maximum voltage rating.

Related links

[Installation Instructions](#)

Drawings

- [XT1 Fixed 3-4p breaker \(2D\)](#)
- [XT1 Fixed 3p breaker \(3D\)](#)
- [XT1 Fixed 4p breaker \(3D\)](#)

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