



SACE Tmax XT for UL 489 &  
CSA C22.2 Standards  
Simply XTraordinary

# XTraordinary coverage

The new SACE Tmax XT circuit breakers are made to respond successfully to the most challenging plant engineering requirements. A complete offering up to 250A, 600V ac/dc for distribution, motor protection and switches enable the fulfillment of all requirements. A new interchangeable range of both thermomagnetic and electronic protection trip units plus a large number of dedicated accessories allow for extreme flexibility.

## All that remains is for you to choose:

SACE Tmax XT1 and XT3, with ABB's extraordinary quality and safety can be used in installations for large-scale distribution, in hospitals, and in all service sector applications that require high reliability up to 225A. In addition, motor protection (MCP) and molded case switch versions are offered.

SACE Tmax XT2 and XT4 offer top-of-the-line, advanced performances and functionalities that can be used in the most complex installations. They reach the highest interrupting ratings on the market in the most compact sizes.

The XT2 and XT 4 circuit breakers can be easily used in a multitude of applications up to 250A.

- Power distribution with thermomagnetic and electronic trip units
- MCP motor protection with magnetic adjustable thresholds
- MPCB electronic motor protection with integrated overload and phase loss detection
- Molded case switch applications



# New SACE Tmax XT UL and CSA

## Simply XTraordinary

ABB is proud to introduce SACE Tmax XT for UL 489 and CSA C22.2 up to 250A. Dual rated for UL/CSA and IEC standards, Tmax XT has unparalleled versatility of use with the ability to easily and efficiently solve all installation problems.

The new SACE Tmax XT for UL/CSA is an extraordinary demonstration of ABB's innovation and capability. Available in three-pole and four-pole, fixed, plug-in and withdrawable versions, they are equipped with the very latest generation of thermomagnetic and electronic trip units.

This new line provides a new technological standard that allows for the creation of installations with extraordinary performances.

- Extraordinary latest generation electronics
- Extraordinary coverage of plant requirements
- Extraordinary performances in compact dimensions
- Extraordinary simplicity of installation and commissioning
- Extraordinary range of available accessories





Molded Case Circuit Breakers			XT1			XT2					
Frame Size	[A]		125			125					
Rated			80% rated			80% rated					
			100% rated up to 100A			100% rated up to 125A only with ELT and 100% up to 100A TM					
Poles	[No.]		3, 4			3, 4					
Rated service voltage, Ue	(AC) 50-60 Hz	[V]	600Y/347			600					
	(DC)	[V]	500			500					
Versions			Fixed, Plug-in			Fixed, Plug-in, Withdrawable					
<b>Versions</b>			<b>N</b>	<b>S</b>	<b>H</b>	<b>N</b>	<b>S</b>	<b>H</b>	<b>L</b>	<b>V</b>	<b>X</b>
<b>Current Limiting at 480V AC and 600V AC</b>								•	•	•	
<b>Interrupting ratings</b>											
Icu @ 240 V (AC)	[kA]		50	65	100	65	100	150	200	200	200
Icu @ 480 V (AC)	[kA]		25	35	65	25	35	65	100	150	200
Icu @ 600Y/347 V (AC)	[kA]		18	22	25	-	-	-	-	-	-
Icu @ 600 V (AC)	[kA]		-	-	-	18	22	25	35	42	42
250 V (DC) 2 poles in series	[kA]		35	42	50	35	50	65	75	85	85
500 V (DC) 3 poles in series	[kA]		-	-	-	35	50	65	75	85	85
500 V (DC) 4 poles in series	[kA]		35	50	50	-	-	-	-	-	-
600 V (DC) 3 poles in series	[kA]		-	-	-	-	-	-	-	-	-
Mechanical life	[No. Operations]		25000			25000					
	[No. Hourly operations]		240			240					
Dimensions - fixed	3 poles [in]		3 x 2.75 x 5.12			3.54 x 3.25 x 5.12					
(Width/Depth/Height)	4 poles [in]		4 x 2.75 x 5.12			4.72 x 3.25 x 5.12					
	Fixed 3/4 poles [lbs]		2.43 / 3.07			2.65 / 3.53					
Weight	Plug-in (EF) 3/4 poles [lbs]		4.87 / 6.22			5.60 / 7.21					
	Withdrawable (EF) 3/4 poles [lbs]		-			7.32 / 8.91					

<b>Trip Units:</b>											
TMF										•	
TMA										•	
Ekip I										•	
Ekip LS/I										•	
Ekip LSI										•	
Ekip LSIG										•	
Ekip E-LSIG										•	

- (1) Fixed version Only
- (2) With F, EF, ES, FCCuAl installation
- (3) 100kA up to 150A, 65kA from 175A to 250A
- (4) Not available for XT4 X versions

Motor Protection			XT1			XT2				
Frame Size	[A]		125			125				
Poles	[No.]		3			3				
Rated service voltage	(AC) 50-60 Hz	[V]	600Y/347			600				
<b>Versions</b>			<b>H</b>			<b>H</b>				
MCP			•			•				
Ekip M-LIU						•				

Molded Case Switch			XT1			XT2				
Frame Size	[A]		125			125				
Poles	[No.]		3, 4			3, 4				
Rated service voltage	(AC) 50-60 Hz	[V]	600Y/347			600				
	(DC)	[V]	500 4ps / 3p up to 250VDC 2ps			500 3ps				
<b>Versions</b>			<b>N</b>	<b>S</b>	<b>H</b>	<b>N</b>	<b>H</b>	<b>L</b>	<b>V</b>	
Magnetic Override	[A]		1250			1250				



<b>XT3</b>				<b>XT4</b>					
225				250					
80% rated				80% rated					
100% rated up to 225A <sup>(1)</sup>				100% rated up to 250A <sup>(2)</sup>					
3, 4				2 (for N version), 3, 4					
600Y/347				600					
500				600					
Fixed, Plug-in				Fixed, Plug-in, Withdrawable					
<b>N</b>		<b>S</b>		<b>N</b>	<b>S</b>	<b>H</b>	<b>L</b>	<b>V</b>	<b>X</b>
						•	•	•	
50		65		65	100	150	200	200	200
25		35		25	35	65	100	150	200
10		10		-	-	-	-	-	-
-		-		18	22	25	50	65	100/65 <sup>(3)</sup>
25		35		35	42	50	85	100	-
25		35		-	-	-	-	-	-
-		-		-	-	-	-	-	-
-		-		35	50	65	75	85	-
25000				25000					
240				240					
4.13 x 2.75 x 5.90				4.13 x 3.25 x 6.3					
5.51 x 2.75 x 5.90				5.51 x 3.25 x 6.3					
3.75 / 4.63				5.51 / 7.72					
7.14 / 9.04				9.24 / 12.17					
				11.02 / 14.90					
•				• • • • • • • <sup>(4)</sup>					

<b>XT3</b>				<b>XT4</b>			
225				250			
3				3			
600Y/347				600			
<b>S</b>				<b>H</b>			
•				• •			

<b>XT3</b>				<b>XT4</b>				
225				250				
3, 4				3, 4				
600Y/347				600				
500 3ps				600 3ps				
<b>N</b>		<b>S</b>		<b>N</b>	<b>S</b>	<b>H</b>	<b>L</b>	<b>V</b>
2250				2500				

# Contact us

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