

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



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1SXP210216B0201, February 2015

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

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					XT3				XT4					
Frame Size	[A]	125				125					225				250					
Rated		80% rated				80% rated					80% rated				80% rated					
		100% rated up to 100A				100% rated up to 125A only with ELT and 100% up to 100A TM					100% rated up to 225A ⁽¹⁾				100% rated up to 250A ⁽²⁾					
Poles	[No.]	3, 4				3, 4					3, 4				2 (for N version), 3, 4					
Rated service voltage, Ue	(AC) 50-60Hz	600Y/347				600					600Y/347				600					
	(DC)	500				500					500				600					
Versions		Fixed, Plug-in				Fixed, Plug-in, Withdrawable					Fixed, Plug-in				Fixed, Plug-in, Withdrawable					
Versions		N	S	H	N	S	H	L	V	X	N	S	N	S	H	L	V	X		
Current Limiting at 480V AC and 600V AC							•	•	•						•	•	•			
Interrupting ratings																				
Icu @ 240 V (AC)	[kA]	50	65	100	65	100	150	200	200	200	50	65	65	100	150	200	200	200		
Icu @ 480 V (AC)	[kA]	25	35	65	25	35	65	100	150	200	25	35	25	35	65	100	150	200		
Icu @ 600Y/347 V (AC)	[kA]	18	22	25	-	-	-	-	-	-	10	10	-	-	-	-	-	-		
Icu @ 600 V (AC)	[kA]	-	-	-	18	22	25	35	42	42	-	-	18	22	25	50	65	100/65 ⁽³⁾		
250 V (DC) 2 poles in series	[kA]	35	42	50	35	50	65	75	85	85	25	35	35	42	50	85	100	-		
500 V (DC) 3 poles in series	[kA]	-	-	-	35	50	65	75	85	85	25	35	-	-	-	-	-	-		
500 V (DC) 4 poles in series	[kA]	35	50	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
600 V (DC) 3 poles in series	[kA]	-	-	-	-	-	-	-	-	-	-	-	35	50	65	75	85	-		
Mechanical life	[No. Operations]	25000				25000					25000				25000					
	[No. Hourly operations]	240				240					240				240					
Dimensions - fixed (Width/Depth/Height)	3 poles [in]	3 x 2.75 x 5.12				3.54 x 3.25 x 5.12					4.13 x 2.75 x 5.90				4.13 x 3.25 x 6.3					
	4 poles [in]	4 x 2.75 x 5.12				4.72 x 3.25 x 5.12					5.51 x 2.75 x 5.90				5.51 x 3.25 x 6.3					
Weight	Fixed 3/4 poles [lbs]	2.43 / 3.07				2.65 / 3.53					3.75 / 4.63				5.51 / 7.72					
	Plug-in (EF) 3/4 poles [lbs]	4.87 / 6.22				5.60 / 7.21					7.14 / 9.04				9.24 / 12.17					
	Withdrawable(EF) 3/4poles[lbs]	-				7.32 / 8.91									11.02 / 14.90					
Trip Units:																				
TMF		•				•					•				•					
TMA																				
Ekip I																				
Ekip LS/I																				
Ekip LSI																				
Ekip LSIG																				
Ekip E-LSIG															• ⁽⁴⁾					

(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					XT3				XT4					
Frame Size	[A]	125				125					225				250					
Poles	[No.]	3				3					3				3					
Rated service voltage	(AC) 50-60 Hz	600Y/347				600					600Y/347				600					
Versions		H				H					S				H					
MCP		•				•					•				•					
Ekip M-LIU						•									•					

Molded Case Switch		XT1				XT2					XT3				XT4					
Frame Size	[A]	125				125					225				250					
Poles	[No.]	3, 4				3, 4					3, 4				3, 4					
Rated service voltage	(AC) 50-60 Hz	600Y/347				600					600Y/347				600					
	(DC)	500 4ps / 3p up to 250VDC 2ps				500 3ps					500 3ps				600 3ps					
Versions		N	S	H		N	H	L	V		N	S			N	S	H	L	V	
Magnetic Override	[A]	1250				1250					2250				2500					