

# Tmax XT ranges

## Introduction

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The new SACE Tmax XT go everywhere and fear no tests because they are made to respond successfully to all plant engineering requirements, from the standard to the most technologically advanced, thanks to the extraordinary fullness of their range. They provide a complete offering up to 250A for distribution, for energy metering, for motor protection, for generator protection, as switch-disconnectors and for any other needs. In addition, a new range of both thermomagnetic and electronic protection trip units, interchangeable right from the smallest frames, has been created. This is to say nothing of the new and vast line of dedicated accessories available, even for special applications.

All that remains is making a simple selection: XT1 and XT3, with ABB SACE's unquestioned reliability and safety, for standard installations, or XT2 and XT4, with top of the market performance, for technologically advanced installations. The new SACE Tmax XT: simply extraordinary, for any choice.

Ekip trip units are interchangeable and guarantee absolute tripping reliability and precision. Apart from the continuous green LED, which indicates correct operation of the protection trip unit, all the Ekip trip units also have an LED to signal intervention of all the protection functions.

To allow the Ekip units to communicate and exchange information with the other devices, the Ekip Com module can be inserted inside the circuit breaker, freeing space inside the electric panel.

All the Ekip trip units can be fitted with a vast range of dedicated accessories. The main accessories include:

- the Ekip Display, to be applied onto the front of the electronic trip unit for simpler setting and for better reading of information;
- the Ekip LED Meter, a device to be installed on the front of the trip unit to simplify current readings;
- the Ekip TT, the new trip test unit;
- the Ekip T&P, the extraordinary testing and programming unit.

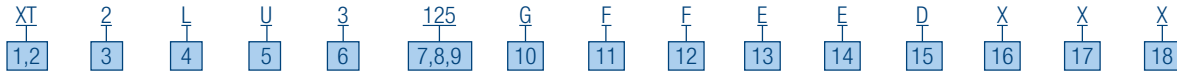
Finally, for the first time an integrated energy metering function is available on the 250A frame Ekip: isn't all this simply XTraordinary?



# Tmax XT ranges

## Catalog number explanation

### Tmax XT Part number explanation



### 1,2 - Tmax XT prefix, XT

3 - Frame size	
1	XT1 - to 125A, 600Y/347V (UL) - Thermal magnetic protection
2	XT2 - to 125A, 600V (UL) - Thermal magnetic and electronic protection
3	XT3 - to 225A, 600Y/347V (UL) - Thermal magnetic protection
4	XT4 - to 250A, 600V (UL) - Thermal magnetic and electronic protection

### 4 - Breaking Capacity

	XT1	XT2	XT3	XT4
N	18kA @ 600Y/347Vac	18kA @ 600Vac	10kA @ 600Y/347Vac	18 @ 600Vac
S	22kA @ 600Y/347Vac	22kA @ 600Vac	10kA @ 600Y/347Vac	22 @ 600Vac
H	25kA @ 600Y/347Vac	25kA @ 600Vac	-	25 @ 600Vac
L	-	35kA @ 600Vac	-	50 @ 600Vac
V	-	42kA @ 600Vac	-	65 @ 600Vac
X	-	45kA @ 600Vac	-	100kA @ 600Vac <sup>(1)</sup>

<sup>(1)</sup> 100kA up to 150A. 65kA from 175A up to 250A

### 5 - Standard

U	UL standard version
Q	UL 100% rated version

### 6 - Number of poles

2	2 poles (XT4N UL version only)
3	3 poles
4	4 poles, 100% neutral

### 7,8,9 - Nominal current (ampereage)

	XT1				XT2					XT3				XT4					
	TMF	Elect.	MCP (MA)	MCS	TMF/ TMA <sup>(1)</sup>	Elect.	MCP (MA)	Elect. LIU	MCS	TMF	MCP (MA)	Elect. LIU	MCS	TMF/ TMA <sup>(2)</sup>	Elect.	MCP (MA)	Elect. LIU	MCS	
003	-	-	3A	-	-	-	3A	-	-	-	-	-	-	-	-	-	-	-	-
007	-	-	7A	-	-	-	7A	-	-	-	-	-	-	-	-	-	-	-	-
010	-	-	-	-	-	10A	-	-	-	-	-	-	-	-	-	-	-	-	-
015	15A	-	15A	-	15A	-	15A	-	-	-	-	-	-	-	-	-	-	-	-
020	20A	-	-	-	20A	-	-	-	-	-	-	-	-	-	-	-	-	-	-
025	25A	-	-	-	25A	25A	-	25A	-	-	-	-	-	25A	-	25A	-	-	-
030	30A	-	30A	-	30A	-	30A	-	-	-	-	-	-	30A	-	-	-	-	-
035	35A	-	-	-	35A	-	-	-	-	-	-	-	-	35A	-	-	-	-	-
040	40A	-	-	-	40A	-	-	-	-	-	-	-	-	40A	40A	-	-	40A	-
045	45A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
050	50A	-	50A	-	50A	-	50A	-	-	-	-	-	-	50A	-	50A	-	-	-
060	60A	-	-	-	60A	60A	-	60A	-	60A	-	-	-	60A	60A	-	-	60A	-
070	70A	-	70A	-	70A	-	70A	-	-	70A	-	-	-	70A	-	-	-	-	-
080	80A	-	80A	-	80A	-	80A	-	-	80A	-	-	-	80A	-	80A	-	-	-
090	90A	-	-	-	90A	-	-	-	-	90A	-	-	-	90A	-	-	-	-	-
100	100A	-	100A	-	100A	100A	100A	100A	-	100A	100A	-	-	100A	100A	100A	100A	-	-
110	110A	-	-	-	110A	-	-	-	-	110A	110A	-	-	110A	-	110A	-	-	-
125	125A	-	125A	125A	125A	125A	125A	-	125A	125A	125A	-	-	125A	-	125A	-	-	-
150	-	-	-	-	-	-	-	-	-	150A	150A	-	-	150A	150A	150A	150A	-	-
175	-	-	-	-	-	-	-	-	-	175A	-	-	-	175A	-	175A	-	-	-
200	-	-	-	-	-	-	-	-	-	200A	200A	-	-	200A	-	200A	-	-	-
225	-	-	-	-	-	-	-	-	-	225A	-	-	-	225A	225A	225A	225A	-	-
250	-	-	-	-	-	-	-	-	-	-	-	-	-	250A	250A	250A	-	250A	-

<sup>(1)</sup> XT2 TMF FIXED threshold up to 70A, TMA adjustable for 80A and higher.

<sup>(2)</sup> XT4 2p version with TMF version only. XT4 3p TMF version up to 70A, TMA adjustable for 80A and higher. XT4 4p TMA version only

# Tmax XT ranges

## Ordering details XT1

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### XT1 125A TMF - Fixed (F) - 3 poles - Front terminals (F) - UL/CSA

Thermal magnetic trip unit			IC Rating (600Y/347V)	N 18kA Part number	S 22kA Part number	H 25kA Part number
Type	In	I <sub>s</sub>				
TMF	15	500		XT1NU3015AFF000XXX	XT1SU3015AFF000XXX	XT1HU3015AFF000XXX
	20	500		XT1NU3020AFF000XXX	XT1SU3020AFF000XXX	XT1HU3020AFF000XXX
	25	500		XT1NU3025AFF000XXX	XT1SU3025AFF000XXX	XT1HU3025AFF000XXX
	30	500		XT1NU3030AFF000XXX	XT1SU3030AFF000XXX	XT1HU3030AFF000XXX
	35	500		XT1NU3035AFF000XXX	XT1SU3035AFF000XXX	XT1HU3035AFF000XXX
	40	500		XT1NU3040AFF000XXX	XT1SU3040AFF000XXX	XT1HU3040AFF000XXX
	45	500		XT1NU3045AFF000XXX	XT1SU3045AFF000XXX	XT1HU3045AFF000XXX
	50	500		XT1NU3050AFF000XXX	XT1SU3050AFF000XXX	XT1HU3050AFF000XXX
	60	600		XT1NU3060AFF000XXX	XT1SU3060AFF000XXX	XT1HU3060AFF000XXX
	70	700		XT1NU3070AFF000XXX	XT1SU3070AFF000XXX	XT1HU3070AFF000XXX
	80	800		XT1NU3080AFF000XXX	XT1SU3080AFF000XXX	XT1HU3080AFF000XXX
	90	900		XT1NU3090AFF000XXX	XT1SU3090AFF000XXX	XT1HU3090AFF000XXX
	100	1000		XT1NU3100AFF000XXX	XT1SU3100AFF000XXX	XT1HU3100AFF000XXX
	110	1100		XT1NU3110AFF000XXX	XT1SU3110AFF000XXX	XT1HU3110AFF000XXX
125	1250		XT1NU3125AFF000XXX	XT1SU3125AFF000XXX	XT1HU3125AFF000XXX	

### XT1 125A TMF - Fixed (F) - 3 poles - Front terminals (F) - 100% rated UL/CSA

Thermal magnetic trip unit			IC Rating (600Y/347V)	NQ 18kA Part number	SQ 22kA Part number	HQ 25kA Part number
Type	In	I <sub>s</sub>				
TMF	15	500		XT1NQ3015AFF000XXX	XT1SQ3015AFF000XXX	XT1HQ3015AFF000XXX
	20	500		XT1NQ3020AFF000XXX	XT1SQ3020AFF000XXX	XT1HQ3020AFF000XXX
	25	500		XT1NQ3025AFF000XXX	XT1SQ3025AFF000XXX	XT1HQ3025AFF000XXX
	30	500		XT1NQ3030AFF000XXX	XT1SQ3030AFF000XXX	XT1HQ3030AFF000XXX
	35	500		XT1NQ3035AFF000XXX	XT1SQ3035AFF000XXX	XT1HQ3035AFF000XXX
	40	500		XT1NQ3040AFF000XXX	XT1SQ3040AFF000XXX	XT1HQ3040AFF000XXX
	45	500		XT1NQ3045AFF000XXX	XT1SQ3045AFF000XXX	XT1HQ3045AFF000XXX
	50	500		XT1NQ3050AFF000XXX	XT1SQ3050AFF000XXX	XT1HQ3050AFF000XXX
	60	600		XT1NQ3060AFF000XXX	XT1SQ3060AFF000XXX	XT1HQ3060AFF000XXX
	70	700		XT1NQ3070AFF000XXX	XT1SQ3070AFF000XXX	XT1HQ3070AFF000XXX
	80	800		XT1NQ3080AFF000XXX	XT1SQ3080AFF000XXX	XT1HQ3080AFF000XXX
	90	900		XT1NQ3090AFF000XXX	XT1SQ3090AFF000XXX	XT1HQ3090AFF000XXX
	100	1000		XT1NQ3100AFF000XXX	XT1SQ3100AFF000XXX	XT1HQ3100AFF000XXX

### XT1 125A TMF - Fixed (F) - 4 poles - Front terminals (F) - UL/CSA

Thermal magnetic trip unit			IC Rating (600Y/347V)	N 18kA Part number	S 22kA Part number	H 25kA Part number
Type	In	I <sub>s</sub>				
TMF	15	500		XT1NU4015AFF000XXX	XT1SU4015AFF000XXX	XT1HU4015AFF000XXX
	20	500		XT1NU4020AFF000XXX	XT1SU4020AFF000XXX	XT1HU4020AFF000XXX
	25	500		XT1NU4025AFF000XXX	XT1SU4025AFF000XXX	XT1HU4025AFF000XXX
	30	500		XT1NU4030AFF000XXX	XT1SU4030AFF000XXX	XT1HU4030AFF000XXX
	35	500		XT1NU4035AFF000XXX	XT1SU4035AFF000XXX	XT1HU4035AFF000XXX
	40	500		XT1NU4040AFF000XXX	XT1SU4040AFF000XXX	XT1HU4040AFF000XXX
	45	500		XT1NU4045AFF000XXX	XT1SU4045AFF000XXX	XT1HU4045AFF000XXX
	50	500		XT1NU4050AFF000XXX	XT1SU4050AFF000XXX	XT1HU4050AFF000XXX
	60	600		XT1NU4060AFF000XXX	XT1SU4060AFF000XXX	XT1HU4060AFF000XXX
	70	700		XT1NU4070AFF000XXX	XT1SU4070AFF000XXX	XT1HU4070AFF000XXX
	80	800		XT1NU4080AFF000XXX	XT1SU4080AFF000XXX	XT1HU4080AFF000XXX
	90	900		XT1NU4090AFF000XXX	XT1SU4090AFF000XXX	XT1HU4090AFF000XXX
	100	1000		XT1NU4100AFF000XXX	XT1SU4100AFF000XXX	XT1HU4100AFF000XXX
	110	1100		XT1NU4110AFF000XXX	XT1SU4110AFF000XXX	XT1HU4110AFF000XXX
125	1250		XT1NU4125AFF000XXX	XT1SU4125AFF000XXX	XT1HU4125AFF000XXX	