



# The SACE Tmax XT range at a glance

The world of circuit breaking and circuit protection in your hands



**SACE Tmax XT1**

Small, reliable, versatile. Your reliable partner for all standard applications.



**SACE Tmax XT2**

Compact yet powerful. It fits everywhere and is able to deal with all complex tasks.



**SACE Tmax XT3**

Small and experienced. For standard applications that need few efforts.



**SACE Tmax XT4**

A forward-thinking, multitasker. It finds solutions for all levels of complexity.



**SACE Tmax XT5**

Compact, extremely powerful and flexible. It shows the world what a circuit-breaker of the future can do, today.



**SACE Tmax XT6**

Built to last. It completes all assignments it has been entrusted with.



**SACE Tmax XT7 / XT7 M**

The ultimate choice. It deals with the most heavy-duty demands effortlessly.



## Data and connectivity

SACE Tmax XT sets new standards in plant and energy management with remote access, monitoring, and control.



## Performance and protection

Continuity of service and equipment protection – SACE Tmax XT sets standards when extreme breaking capacity is needed.



## Local connection and Remote communication

Bluetooth connectivity, Ekip Connect software, and multiple protocols make commissioning and device settings effortless.



## Electrical performances

SACE Tmax XT is designed and tested to meet any installation requirement, even the most critical ones.



## Cloud connectivity

Ekip Com HUB enables cloud connectivity for full ABB Ability™ Energy and Asset Management services.



## Safety and reliability

With a focus on safety and reliability, cutting-edge design and expert engineering set new industry standards.



## Ease of use and installation

Simplified selection, versatile accessories, and intuitive design enable quick upgrades for any project.

# Tmax XT circuit breakers

## MCCB for power distribution & Generator Protection



Type	Iu (40° C) [A]	Ue [V]		Category	Release	Icu (380 - 415 V AC) [kA]										
		AC	DC			16	25	36	50	70	85	100	120	150	200	
XT1	160	690	500	A	TMD/TFM	B	C	N	S	H						
XT2	160	690	500	A	TMD/TMA Ekip Dip LS/I Ekip Dip LIG / Dip LSIG Ekip C Dip LSIG Ekip Touch LSIG / Hi-Touch Ekip Touch Measuring LSIG Ekip G Dip LS/I Ekip G Touch LSIG/ G Hi-Touch			N	S	H		L	V			
XT3	250	690	500	A	TMD TMG			N	S							
XT4	250	690	750	A	TMD/TMA Ekip Dip LS/I Ekip Dip LIG / Dip LSIG Ekip C Dip LSIG Ekip Touch LSIG / Hi-Touch Ekip Touch Measuring LSIG Ekip G Dip LS/I Ekip G Touch LSIG/ G Hi-Touch			N	S	H		L	V	X		
XT5	400 630	690	750	B (500 A) A (630 A)	TMA TMG Ekip Dip LS/I Ekip Dip LIG / Dip LSIG Ekip Touch LSIG / Hi-Touch Ekip Touch Measuring LSIG Ekip G Dip LS/I Ekip G Touch LSIG/ G Hi-Touch			N	S	H		L		V, X		
XT6	630 800	690	750	B (630A - 800 A)	TMA Ekip Dip LS/I Ekip Dip LIG / Dip LSIG Ekip G Dip LS/I			N	S	H						
XT7/ XT7M	1000 1250 1600	690		B	Ekip Dip LS/I Ekip Dip LIG / Dip LSIG Ekip Touch LSIG / Hi-Touch Ekip Touch Measuring LSIG Ekip G Dip LS/I Ekip G Touch LSIG/ G Hi-Touch				S	H		L				

### Trip Units

#### Thermal magnetic trip units

- TMF - Fixed thermal and fixed magnetic for power distribution
- TMD - Adjustable thermal (70-100% of In) and fixed magnetic (10 x In) for power distribution
- TMA - Adjustable thermal (70-100% of In) and adjustable magnetic (5-10 of In) for power distribution
- TMG - Adjustable thermal (70-100% of In) and low fixed magnetic (3 x In) for generator protection

#### Microprocessor based trip units

	L = 0.40 - 1 In		L = 0.40 - 1 In		L = 0.4 - 1 In	Ekip Touch LSIG/ Touch measuring LSIG/ Hi-Touch LSIG	L = 0.4 - 1 In
Ekip Dip LS/I	S = 1 - 10 In	Ekip Dip LIG	I = 1 - 10 In	Ekip Dip LSIG Ekip C Dip LSIG (XT2...XT6)	S = 1 - 10 In <sup>(1)</sup>	Ekip G Touch LSIG/ G Hi-Touch LSIG	S = 0.6 - 10 In
Ekip G Dip LS/I	I = 1 - 10 In		G = 0.2 - 1 In		I = 1 - 10 In <sup>(1)</sup>		G = 0.2 - 1 In <sup>(1)</sup>
							G = 0.1 - 1 In

Note :

L = Overload      S = Short circuit      I = Instantaneous short circuit      G = Earth fault

<sup>(1)</sup> for XT7 Dip, S = 0.6 to 10 In, I = 1.5 to 15 In, G = 0.1 to 1 In

<sup>(2)</sup> for XT7 Touch, I = 1.5 to 15 In, G = 0.1 to 1 In

For detailed information about trip units, refer technical catalogue.