

Tmax XT ranges

Catalog number explanation

Tmax XT Part number explanation

XT	2	L	U	3	125	G	F	F	E	E	D	X	X	X
1,2	3	4	5	6	7,8,9	10	11	12	13	14	15	16	17	18

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 ⁽¹⁾

⁽¹⁾ 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 ⁽¹⁾	Elect.	MCP (MA)	Elect. LIU	MCS	TMF	MCP (MA)	Elect. LIU	MCS	TMF/ TMA ⁽²⁾	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

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

⁽²⁾ 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

Catalog number explanation

10 - Trip unit

A	Thermal magnetic fixed (TMF)
B	Thermal magnetic adjustable (TMD/TMA)
D	Molded case switch disconnecter (MCS)
E	Ekip LSI (Electronic, LSI protection)
F	Ekip LSI (Electronic, LSI protection)
G	Ekip LSI (Electronic, LSI protection)
H	Ekip E-LSIG (Electronic, LSI plus measurements)
J	Ekip I (Electronic, Instantaneous trip only)
L	Ekip M-LIU (Electronic Motor Protector with integrated overload and phase loss detection)
M	Motor circuit protector (MCP - magnetic only (MA)

11 - Line side termination (top)

F	F Front terminals, no lugs installed
A	FC Cu Terminals for Cu cables (Saddle Clamps)
B	FC CuAl Terminals for CuAl cables, 14-1/0 AWG, 110A (UL XT2) ⁽¹⁾
G	FC CuAl Terminals for CuAl cables, 14-1/0 AWG, 100A (UL XT3, UL XT4) ⁽²⁾
H	FC CuAl Terminals for CuAl cables, 14-1/0 AWG, 100A, Control Tap Included (UL XT3, UL XT4) ⁽¹⁾⁽²⁾
J	FC CuAl Terminals for CuAl cables, 4 AWG-300 kcmil, 225A (UL XT3, UL XT4) ⁽²⁾
K	FC CuAl Terminals for CuAl cables, 4 AWG-300 kcmil, 225A, Control Tap Included (UL XT3, UL XT4) ⁽¹⁾⁽²⁾
L	FC CuAl Terminals for CuAl Cables, 250-350 kcmil, 250A (UL XT4) ⁽¹⁾⁽²⁾
Z	MC Multi-cable terminals for Cu (6 wire)
1	EF Extended front terminals
2	ES Extended spread terminals
3	FB Terminals for flexible busbar (IEC only)
4	R Rear terminals (IEC only)
5	Panel board Adapter ⁽¹⁾
6	Plug-in kit (Must also use 6 for load side)
7	Withdrawable kit - XT2 & XT4 only (Must also use 7 for the load side)

⁽¹⁾Contact ABB for availability.

⁽²⁾Not available for XT4 X version to 150A.

Note: Additional terminal options are available as loose accessories for IEC versions. Please see the IEC catalog for more details.

12 - Load side termination (bottom)

F	F Front terminals, no lugs installed
A	FC Cu Terminals for Cu cables (Saddle Clamps)
B	FC CuAl Terminals for CuAl cables, 14-1/0 AWG, 110A (UL XT2) ⁽¹⁾
G	FC CuAl Terminals for CuAl cables, 14-1/0 AWG, 100A (UL XT3, UL XT4) ⁽²⁾
H	FC CuAl Terminals for CuAl cables, 14-1/0 AWG, 100A, Control Tap Included (UL XT3, UL XT4) ⁽¹⁾⁽²⁾
J	FC CuAl Terminals for CuAl cables, 4 AWG-300 kcmil, 225A (UL XT3, UL XT4) ⁽²⁾
K	FC CuAl Terminals for CuAl cables, 4 AWG-300 kcmil, 225A, Control Tap Included (UL XT3, UL XT4) ⁽¹⁾⁽²⁾
L	FC CuAl Terminals for CuAl Cables, 250-350 kcmil, 250A (UL XT4) ⁽¹⁾⁽²⁾
Z	MC Multi-cable terminals for Cu (6 wire)
1	EF Extended front terminals
2	ES Extended spread terminals
3	FB Terminals for flexible busbar (IEC only)
4	R Rear terminals (IEC only)
6	Plug-in kit (Must also use 6 for line side)
7	Withdrawable kit - XT2 & XT4 only (Must also use 7 for the line side)

⁽¹⁾Contact ABB for availability.

⁽²⁾Not available for XT4 X version to 150A.

Note: Additional terminal options are available as loose accessories for IEC versions. Please see the IEC catalog for more details.

Tmax XT ranges

Catalog number explanation

3

13 - Internal accessories - left of mechanism

0	None
A	SOR Shunt trip 12V DC
B	SOR Shunt trip 24-30V AC/DC
C	SOR Shunt trip 48-60V AC/DC
D	SOR Shunt trip 110-127V AC / 110-125V DC
E	SOR Shunt trip 220-240V AC / 220-250V DC
F	SOR Shunt trip 380-440V AC
G	SOR Shunt trip 480-525V AC
Z	AUX 3Q 250V AC/DC (not available for withdrawable)
1	UVR Undervoltage release 24-30V AC/DC
2	UVR Undervoltage release 48V AC/DC
3	UVR Undervoltage release 60V AC/DC
4	UVR Undervoltage release 110-127V AC 110-125V DC
5	UVR Undervoltage release 220-240V AC 220-250V DC
6	UVR Undervoltage release 380-440V AC
7	UVR Undervoltage release 480-525V AC

Note: A second option for the left side of the mechanism is available on a 4-pole circuit breaker as a loose accessory.

14 - Internal accessories - right of mechanism

0	None
A	AUX 1Q, 1SY 250V AC/DC
B	AUX 2Q, 1SY 250V AC/DC (not available for withdrawable)
C	AUX 3Q, 1SY 250V AC/DC (not available for XT1)
D	AUX 3Q, 2SY 250V AC/DC (XT2, XT4)
E	AUX 2Q, 2SY, 1 S51 250V AC/DC (XT2, XT4)
F	AUX 1 S51 250V AC/DC (XT2, XT4)
G	AUX 1Q, 1SY 24V DC
H	AUX 3Q, 1SY 24V DC (not available for XT1)
J	AUX 1 S51 24V DC (XT2, XT4)
K	AUX 1Q, 1SY 400V AC (XT2, XT4 not compatible with other right side AUX)
L	AUX 2Q 400V AC (XT2, XT4 not compatible with other right side AUX)
1	Ekip Com (XT2, XT4, not compatible with other right side AUX)
2	Ekip Com + Aux 1S51 24V DC (XT2, XT4, not compatible with other right side AUX)
3	Ekip Com + Aux 1S51 250V AC/DC (XT2, XT4, not compatible with other right side AUX)

Tmax XT ranges

Catalog number explanation

3

15 - Front accessories

0	None
A	Motor operator 24V DC
B	Motor operator 48-60V DC
C	Motor operator 110-125V AC/DC
D	Motor operator 220-250V AC/DC
E	Motor operator 380-440V AC
F	Motor operator 480 - 525V AC
G	PLL Fixed padlock device in open/closed position
H	PLL Fixed padlock device in open position
J	PLL Removable padlock device in open position (XT1, XT3)
K	FLD Front for locking operating lever mechanism (XT2, XT4)
L	RHD Normal direct handle
M	RHD Emergency direct handle
N	RHE Variable depth mechanism, standard
P	RHE Variable depth mechanism, with padlock
Q	RHD Normal direct handle + Early Aux contact, opening
R	RHD Emergency direct handle + Early Aux contact, opening
S	RHE Variable depth mechanism, standard + Early Aux contact, opening
T	RHE Variable depth mechanism, with padlock + Early Aux Contact, opening
U	RHD Normal direct handle + Early Aux contact, closing
V	RHD Emergency direct handle + Early Aux contact, closing
W	RHE Variable depth mechanism, standard + Early Aux contact, closing
X	RHE Variable depth mechanism, with padlock + Early Aux Contact, closing
1	Motor operator for use with Modbus 24V DC (IEC only)
2	Motor operator for use with Modbus 48-60V DC (IEC only)
3	Motor operator for use with Modbus 110-125V AC/DC (IEC only)
4	Motor operator for use with Modbus 220-250V AC/DC (IEC only)
5	Motor operator for use with Modbus 380-440V AC (IEC only)
6	Motor operator for use with Modbus 480 - 525V AC (IEC only)

16 - Key locks

X	None
A	Ronis key lock, open position- A type
B	Ronis key lock, open position - B type
C	Ronis key lock, open position - C type
D	Ronis key lock, open position - D type
E	Ronis key lock, open position - different keys
F	Ronis key lock, open/closed - different keys (not available for motors)

Note: Key locks are available for placement on the circuit breaker, on rotary handle mechanisms or on motors. Key locks for motors are IEC only.

17 - For future use

X	None
----------	------

18 - Additional certifications

X	None			
		3yr warranty	4yr warranty	5yr warranty
		3	4	5
Test certificate provided (in English)	E	A	B	C
Test certificate provided (in French)	F	G	H	J
Test certificate provided (in Spanish)	S	K	L	M

Note: Extended warranty options require additional paperwork to be completed per order.