

# Tmax XT molded case circuit breakers – UL/CSA

## Simply XTraordinary



### Molded case circuit breakers

		XT1				XT2					XT3			XT4				
Frame size		125				125					225			250				
Poles		Up to 100A				Up to 125A only with ELT and 100% up to 100A TM					Up to 225A <sup>(1)</sup>			Up to 250A <sup>(2)</sup>				
Rated service voltage, U <sub>e</sub>		(AC) 50-60 Hz				480V (600Y)					480V (600Y)			2 (for N version), 3, 4				
		500				500					500			600				
Versions		Fixed, plug-in				Fixed, plug-in, withdrawable					Fixed, plug-in			Fixed, plug-in, withdrawable				
Interrupting ratings		N				H <sup>(3)</sup>					N			S				
Icu at 240 V (AC)		[kA]	50	65	100	65	100	150	200	200	200	50	65	65	100	150	200	200
Icu at 480 V (AC)		[kA]	25	35	65	25	35	65	100	150	200	25	35	35	65	100	150	200
Icu at 600V/347 V (AC)		[kA]	18	22	25	—	—	—	—	—	—	10	10	—	—	—	—	—
Icu at 600 V (AC)		[kA]	—	—	—	18	22	25	35	42	42	—	—	18	22	25	50	65
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		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			
(Width/Depth/Height)		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) 3/4 poles [lbs]	—				7.32 / 8.91					—			11.02 / 14.90			
Trip units			•				•					•			•			
TMF			•				•					•			•			
TMA			•				•					•			•			
Ekip I <sup>(4)</sup>			•				•					•			•			
Ekip LS <sup>(4)</sup>			•				•					•			•			
Ekip LSI <sup>(4)</sup>			•				•					•			•			
Ekip LSIG <sup>(4)</sup>			•				•					•			•			
Ekip E-LSIG <sup>(4)</sup>			•				•					•			•			

<sup>(1)</sup> Fixed version only  
<sup>(2)</sup> With F, EF, ES, FCCuAl installation  
<sup>(3)</sup> 100kA up to 150A, 65kA from 175A to 250A  
<sup>(4)</sup> Not available for XT4 versions  
<sup>(5)</sup> Current limiting at 480V AC and 600V AC

### Motor protection

		XT1		XT2		XT3		XT4	
Frame size		125		125		225		250	
Poles		3		3		3		3	
Rated service voltage		(AC) 50-60 Hz		480V (600Y)		480V (600Y)		600	
Versions		H		H		S		H	
MCP		•		•		•		•	
Ekip M-LIU		•		•		•		•	

### Molded case switch

		XT1				XT2					XT3			XT4			
Frame size		125				125					225			250			
Poles		3, 4				3, 4					3, 4			3, 4			
Rated service voltage		(AC) 50-60 Hz				480V (600Y)					480V (600Y)			600			
		500 4ps / 3p up to 250VDC 2ps				500 3ps					500 3ps			600 3ps			
Versions		N				H					L			V			
Magnetic override		1250				1250					2250			2500			

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# Tmax XT molded case circuit breakers – UL/CSA

## Catalog number explanation

<b>XT</b>	<b>2</b>	<b>L</b>	<b>U</b>	<b>3</b>	<b>125</b>	<b>G</b>	<b>F</b>	<b>F</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>X</b>	<b>X</b>	<b>X</b>	
(3) Frame size	(4) Interrupting rating	(5) Standard	(6) Number of poles	(7-9) Amperage	(10) Trip unit type	(11) Line side termination	(12) Load side termination	(13) Internal accessories left side	(14) Internal accessories right side	(15) Front accessories	(16) Key locks	(17) For future use	(18) Additional certifications		

### (3) Frame size

1	XT1 – to 125A, 480V Thermal magnetic protection
2	XT2 – to 125A, 600V Thermal magnetic and electronic protection
3	XT3 – to 225A, 480V Thermal magnetic protection
4	XT4 – to 250A, 600V Thermal magnetic and electronic protection

### (4) Interrupting ratings (breaking capacity)

	XT1	XT2	XT3	XT4
N Normal breaking capacity	25	25	25	25
S Standard breaking capacity	35	35	10	35
H High breaking capacity	65	65	—	65
L Extra high breaking capacity	—	100	—	100

### (5) Standard

	Code
UL 80% rated / IEC dual rated	U
UL 100% rated / IEC dual rated	Q

### (6) Number of poles

Number of lines (wires) the breaker is required to control

### (7-9) Nominal current

The maximum current under nominal or rated voltage and power conditions (i.e. 015 for 15A or 125 for 125A)

### (10) Trip unit

A	Thermal magnetic fixed (TMF)
B	Thermal magnetic adjustable (TMD/TMA)
D	Molded case switch disconnect
E	Ekip LS/I (Electronic, LS/I protection)
G	Ekip LSIG (Electronic, LSIG protection)
M	Motor circuit protector (MCP - magnetic only, MA/MF)

### (11-12) Power terminals (lugs)

Factory assembled	Ready to install			
	XT1	XT2	XT3	XT4
11-Line side termination (top)				
12-Load side termination (bottom)				
F Front terminals, no lugs installed	F	F	F	F
A FC Cu terminals for Cu cables (saddle clamps)	KXT1CU-3PC	KXT2CU-3PC	KXT3CU-3PC	KXT4CU-3PC
B FC CuAl terminals for CuAl cables, 14-1/0 AWG, 110A	KXT1CUMCP-3PC	KXT2CUAL1-3PC	—	—
G FC CuAl terminals for CuAl cables, 14-1/0 AWG, 100A	—	—	KXT3CUAL1-3PC	KXT4CUAL1-3PC
H FC CuAl terminals for CuAl cables, 14-1/0 AWG, 100A, control tap included	—	—	KXT3CUAL1C-3PC	KXT4CUAL1C-3PC
J FC CuAl terminals for CuAl cables, 4 AWG-300 kcmil, 225A	—	—	KXT3CUAL2-3PC	KXT4CUAL2-3PC
K FC CuAl terminals for CuAl cables, 4 AWG-300 kcmil, 225A, control tap included	—	—	KXT3CUAL2C-3PC	KXT4CUAL2C-3PC
L FC CuAl terminals for CuAl cables, 250-350 kcmil, 250A	—	—	—	KXT4CUAL3-3PC
Z IMC multi-cable terminals for Cu (6 wire)	KXT1MC-3PC	KXT2MC-3PC	KXT3MC-3PC	KXT4MC-3PC
1 EF extended front terminals	KXT1EF-3PC	KXT2EF-3PC	KXT3EF-3PC	KXT4EF-3PC
2 ES extended spread terminals	KXT1ES-3PC	KXT2ES-3PC	KXT3ES-3PC	KXT4ES-3PC

### (13) Left mount accessories – right side

Factory assembled	Ready to install			
13-Internal accessories – right side	XT1	XT2	XT3	XT4
0 None				
A SOR shunt trip 12V DC			KXTASORCFPA	
B SOR shunt trip 24-30V AC/DC			KXTASORCFPB	
D SOR shunt trip 110-127V AC / 110-125V DC			KXTASORCFPD	
E SOR shunt trip 220-240V AC / 220-250V DC			KXTASORCFPE	
G SOR shunt trip 480-525V AC			KXTASORCFPG	
Z AUX 3Q 250V AC/DC (not available for withdrawable)	KXT1AXC3QL	KXT2AXC3QL	KXT3AXC3QL	KXT4AXC3QL
1 UVR undervoltage release 24-30V AC/DC			KXTAUVRCFP1	
4 UVR undervoltage release 110-127V AC 110-125V DC			KXTAUVRCFP4	
5 UVR undervoltage release 220-240V AC 220-250V DC			KXTAUVRCFP5	
7 UVR undervoltage release 480-525V AC			KXTAUVRCFP7	



### (14) Right mount accessories – right side

Factory assembled	Ready to install			
14-Internal accessories – left side	XT1	XT2	XT3	XT4
0 None				
A AUX 1Q, 1SY 250V AC/DC			KXTAAXCQSYFP	
B AUX 2Q, 1SY 250V AC/DC (not available for withdrawable)			KXTAAXC2QSYFP	
C AUX 3Q, 1SY 250V AC/DC			KXTDAXC3QSYFP	
D AUX 3Q, 2SY 250V AC/DC		KXTCAXC3Q2SYFP		KXTCAXC3Q2SYFP
E AUX 2Q, 2SY, 1 S51 250V AC/DC		KXTCAXC2Q2SY5S1FP		KXTCAXC2Q2SY5S1FP
F AUX 1 S51 250V AC/DC		KXTCAXCS51FP		KXTCAXCS51FP
G AUX 1Q, 1SY 24V DC			KXTAAXCQDSYFP	
H AUX 3Q, 1SY 24V DC			KXTDAXCD3QSYFP	
J AUX 1 S51 24V DC		KXTCAXDS51FP		KXTCAXDS51FP
K AUX 1Q, 1SY 400V AC		KXTCAXC4QSYFP		KXTCAXC4QSYFP
L AUX 2Q 400V AC		KXTCAXC4Q2QFP		KXTCAXC4Q2QFP
T Ekip Com				

Note: All auxiliary contacts can be wired NC (A) or NO (B)

### (15) Front mount accessories

Factory assembled	Ready to install			
	XT1	XT2	XT3	XT4
0 None				
A Motor operator 24V DC	KXTBMOD24	KXTCMOD24	KXTBMOD24	KXTCMOD24
C Motor operator 110-125V AC/DC	KXTBMOD110-125	KXTCMOD110-125	KXTBMOD110-125	KXTCMOD110-125
D Motor operator 220-250V AC/DC	KXTBMOD220-250	KXTCMOD220-250	KXTBMOD220-250	KXTCMOD220-250
G PLL fixed padlock device in open/closed position	KXTBPLLOPCL	KXTCPLLOPCL	KXTBPLLOPCL	KXTCPLLOPCL
H PLL fixed padlock device in open position	KXTBPLLOP	KXTCPLLOP	KXTBPLLOP	KXTCPLLOP
J PLL removable padlock device in open position	KXTBPLLOREM	—	KXTBPLLOREM	—
K FLD front for locking operating lever mechanism	—	KXTCFLDFP fixed, plug in	—	KXTCFLDFP fixed, plug in
L RHD normal direct handle	KXTBRHDS1FP	KXTCRHDS1FP	KXTBRHDS1FO	KXTCRHDS1FP
N RHE variable depth mechanism, standard	—	—	—	—
1 Motor operator for use with Modbus 24V DC (MOE-E) (IEC only)	—	KXTCMOEE24	—	KXTCMOEE24
3 Motor operator for use with Modbus 110-125V AC/DC (MOE-E) (IEC only)	—	KXTCMOEE110-125	—	KXTCMOEE110-125

### (16) Key locks

X	None
A	Ronis key lock, open position - A type
E	Ronis key lock, open position - different keys

### (17) For future use (X)

### (18) Additional certifications

	Certification only	3 year warranty	4 year warranty	5 year warranty
No warranty or certification	X	—	—	—
Warranty, no test certification	—	3	4	5
Test certificate provided (in English) E A B C	E	A	B	C
Test certificate provided (in French) F G H J	F	G	H	J
Test certificate provided (in Spanish) S K L M	S	K	L	M

### Recommended accessories (Ready to install)

Extended handle spare parts	XT1	XT2	XT3	XT4
RHE_B base for extended handle	KXTBRHEBFP	KXTCRHEBFP	KXTBRHEBFP	KXTCRHEBFP
Standard pistol handle with reset function, 65mm, NEMA 3R, 12		OHB65J10B		
Standard pistol handle with reset function, 125mm, NEMA 3R, 12		OHB125J10B		
148mm pistol handle shaft		OXF10X148		
225mm pistol handle shaft		OXF10X225		
500mm pistol handle shaft		OXF10X500		
Flange handles	XT1	XT2	XT3	XT4
Flange handle + mechanism + 4ft cable (NEMA 1, 3R, 12, 4)	KXT1N12FLHDL4	KXT2N12FLHDL4	KXT3N12FLHDL4	KXT4N12FLHDL4
Flange handle + mechanism + 6ft cable (NEMA 1, 3R, 12, 4)	KXT1N12FLHDL6	KXT2N12FLHDL6	KXT3N12FLHDL6	KXT4N12FLHDL6
Flange handle + mechanism + 10ft cable (NEMA 1, 3R, 12, 4)	KXT1N12FLHDL10	KXT2N12FLHDL10	KXT3N12FLHDL10	KXT4N12FLHDL10
Flange handle spare parts	XT1	XT2	XT3	XT4
Flange handle only (NEMA 1, 3R, 12, 4)			KXTAN12FLHDL	
Flange handle only (NEMA 1, 3R, 12, 4, 4X)			KXTAN4XFLHDL	
Flange handle hardware			KXTAF12FLHDL	
Flange mounting hardware	KXTBFLMTHW	KXTCFLMTHW	KXTBFLMTHW	KXTCFLMTHW
Padlock on the circuit breaker	XT1	XT2	XT3	XT4
PLL removable lock with padlocks in open position	KXTBPLLOPCL	—	KXTBPLLOPCL	—
PLL fixed lock with padlocks in open position	KXTBPLLOP	KXTCPLLOP	KXTBPLLOP	KXTCPLLOP
PLL fixed lock with padlocks in open/closed position	KXTBPLLOPCL	KXTCPLLOPCL	KXTBPLLOPCL	KXTCPLLOPCL

Front for operating lever mechanism	XT1	XT2	XT3	XT4
FLD front for operating lever mechanism	—	KXTCFLDFP fixed, plug in	—	KXTCFLDFP fixed, plug in
		KXTCFLDW withdrawable		KXTCFLDW withdrawable
Insulating terminal covers	XT1	XT2	XT3	XT4
LTC low terminal covers	KXT1LTC-3	KXT2LTC-3	KXT3LTC-3	KXT4LTC-3
HTC high terminal covers	KXT1HTC-3	KXT2HTC-3	KXT3HTC-3	KXT4HTC-3
Phase barriers	XT1	XT2	XT3	XT4
PB height 25mm/0.98in	KXTBPB25-3	KXTCBPB25-3	KXTBPB25-3	KXTCBPB25-3
PB height 100mm/3.94in	KXTBPB100-3	KXTCBPB100-3	KXTBPB100-3	KXTCBPB100-3
PB height 200mm/7.87in	KXTBPB200-3	KXTCBPB200-3	KXTBPB200-3	KXTCBPB200-3
Test and configurator units	XT1	XT2	XT3	XT4
Ekip TT – Trip test unit ZEAEPKTT	—	ZEAEPKTT	—	ZEAEPKTT
Ekip T&P – Programming and test unit	—	EKIP	—	EKIP

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