

Tmax XT molded case circuit breakers – UL/CSA

Simply XTraordinary



Molded case circuit breakers

		XT1				XT2				XT3				XT4			
Frame size	A	125				125				225				250			
Poles	[No.]	Up to 100A				Up to 125A only with ELT and 100% up to 100A TM				Up to 225A ⁽¹⁾				Up to 250A ⁽²⁾			
Rated service voltage, U _s	(AC) 50-60 Hz (DC)	3, 4 480V (600Y) 500				3, 4 600 500				3, 4 480V (600Y) 500				2 (for N version), 3, 4 600 600			
Versions		Fixed, plug-in				Fixed, plug-in, withdrawable				Fixed, plug-in				Fixed, plug-in, withdrawable			
Interrupting ratings	N	S	H	N	S	H ⁽³⁾	L ⁽³⁾	V ⁽³⁾	X	N	S	N	S	H ⁽³⁾	L ⁽³⁾	V ⁽³⁾	X
Icu at 240 V (AC)	[kA]	50	65	100	65	100	150	200	200	50	65	65	100	150	200	200	200
Icu at 480 V (AC)	[kA]	25	35	65	25	35	65	100	150	25	35	25	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	—	—	18	22	25	50	65	100/65 ⁽³⁾
250 V (DC) 2 poles in series	[kA]	35	42	50	35	50	65	75	85	25	35	35	42	50	85	100	—
500 V (DC) 3 poles in series	[kA]	—	—	—	35	50	65	75	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	85	—	—
Mechanical life	[No. operations] [No. hourly operations]	25000 240				25000 240				25000 240				25000 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 ⁽⁴⁾		•				•				•				•			
Ekip LS ⁽⁴⁾		•				•				•				•			
Ekip LSI ⁽⁴⁾		•				•				•				•			
Ekip LSIG ⁽⁴⁾		•				•				•				•			
Ekip E-LSIG ⁽⁴⁾		•				•				•				•			

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

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	480V (600Y)				600				480V (600Y)				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	480V (600Y)				600				480V (600Y)				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	N	H	L	V	N
Magnetic override	[A]	1250				1250				2250				2500			

Contact us

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Catalog number explanation

XT	2	L	U	3	125	G	F	F	0	0	0	X	X	X
	(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
S	Standard breaking capacity	35	35	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			
11-Line side termination (top)	XT1	XT2	XT3	XT4
12-Load side termination (bottom)	F	F	F	F
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	—	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	—	—	0	—
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	KXTCAXC3QL	KXT3AXC3QL	KXTCAXC3QL
1 UVR undervoltage release 24-30V AC/DC	—	—	KXTAUVRCPF1	—
4 UVR undervoltage release 110-127V AC 110-125V DC	—	—	KXTAUVRCPF4	—
5 UVR undervoltage release 220-240V AC 220-250V DC	—	—	KXTAUVRCPF5	—
7 UVR undervoltage release 480-525V AC	—	—	KXTAUVRCPF7	—

Contact us

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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	—	—	KXTAFLHDLHW	—
Flange mounting hardware	KXTBFLMTHW	KXTCFLMTHW	KXTBFLMTHW	KXTCFLMTHW
Padlock on the circuit breaker	XT1	XT2	XT3	XT4
PLL removable lock with padlocks in open position	KXTBPLLREM	—	KXTBPLLREM	—
PLL fixed lock with padlocks in open position	KXTBPLLOP	KXTCPPLLOP	KXTBPLLOP	KXTCPPLLOP
PLL fixed lock with padlocks in open/closed position	KXTBPLLOPCL	KXTCPLOPCL	KXTBPLLOPCL	KXTCPLOPCL

(14) Right mount accessories—right side

Factory assembled	Ready to install	XT2	XT3	XT4
14-Internal accessories—left side	XT1	—	—	—
0 None	—	—	0	—
A AUX 1Q, 1SY 250V AC/DC	—	—	KXTAAXCQSYFP	—
B AUX 2Q, 1SY 250V AC/DC (not available for withdrawable)	—	—	KXTAAXCQ2SYFP	—
C AUX 3Q, 1SY 250V AC/DC	—	—	KXTDAXC3QSYFP	—
D AUX 3Q, 2SY 250V AC/DC	—	—	KXTDAXC3Q2SYFP	—
E AUX 2Q, 2SY, 1 S51 250V AC/DC	—	—	KXTCAXC3Q2SYFP	—
F AUX 1 S51 250V AC/DC	—	—	KXTCAXC2Q2SYFP	—
G AUX 1Q, 1SY 24V DC	—	—	KXTAAXCS51FP	—
H AUX 3Q, 1SY 24V DC	—	—	KXTAAXCDQSYFP	—
J AUX 1 S51 24V DC	—	—	KXTDAXCD3QSYFP	—
K AUX 1Q, 1SY 400V AC	—	—	KXTCAAXCS51FP	—
L AUX 2Q 400V AC	—	—	KXTCAAXC4QSYFP	—
1 Ekip Com	—	—	—	—

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

(15) Front mount accessories

Factory assembled	Ready to install	XT2	XT3	XT4
0 None	XT1	—	—	—
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	KXTCPLOPCL	KXTBPLLOPCL	KXTCPLOPCL
H PLL fixed padlock device in open position	KXTBPLLOP	KXTCPLOP	KXTBPLLOP	KXTCPLOP
J PLL removable padlock device in open position	KXTBPLLOPCL	—	KXTBPLLOPCL	—
K FLD front for locking operating lever mechanism	—	KXTCFLDFF fixed, plug in	—	KXTCFLDFF fixed, plug in
L RHD normal direct handle	KXTBRHDSFTFP	KXTCRHDSFTFP	KXTBRHDSFTFO	KXTCRHDSFTFP
N RHE variable depth mechanism, standard	—	—	—	—
1 Motor operator for use with Modbus 24V DC (MOE-E) (IEC only)	—	KXTCEMOEE24	—	KXTCEMOEE24
3 Motor operator for use with Modbus 110-125V AC/DC (MOE-E) (IEC only)	—	KXTCEMOEE110-125	—	KXTCEMOEE110-125

(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

Front for operating lever mechanism	XT1	XT2	XT3	XT4
FLD front for operating lever mechanism	—	KXTCFLDFF fixed, plug in	—	KXTCFLDFF fixed, plug in
		KXTCFLDW withdrawable	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	KXTCPB25-3	KXTBPB25-3	KXTCPB25-3
PB height 100mm/3.94in	KXTBPB100-3	KXTCPB100-3	KXTBPB100-3	KXTCPB100-3
PB height 200mm/7.87in	KXTBPB200-3	KXTCPB200-3	KXTBPB200-3	KXTCPB200-3
Test and configurator units	XT1	XT2	XT3	XT4
Ekip TT — Trip test unit ZEAKEPTT	—	ZEAKEPTT	—	ZEAKEPTT
Ekip T&P — Programming and test unit	—	EKIP	—	EKIP

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