Tmax XT molded case circuit breakers – UL/CSA
Simply XTraordinary

13SU210231H0201, November 2016

Molded case circuit breakers

			XT1			XT2						XT3		XT4					
Frame size		A	125			125						225		250					
			Up to 100A			Up to 125A only with ELT and 100% up to 100A TM						Up to 225A[1]		Up to 250A[2]					
Poles		[No.]	3, 4			3, 4						3, 4		2 (for N version), 3, 4					
Rated service voltage, U_e	(AC) 50-60 Hz	[V]	480V (600Y)			600						480V (600Y)		600					
	(DC)	[V]	500			500						500		600					
Versions			Fixed, plug-in			Fixed, plug-in, withdrawable						Fixed, plug-in		Fixed, plug-in, withdrawable					
Interrupting ratings			**N**	**S**	**H**	**N**	**S**	**H**[5]	**L**[5]	**V**[5]	**X**	**N**	**S**	**N**	**S**	**H**[5]	**L**[5]	**V**[5]	**X**
Icu at 240 V (AC)		[kA]	50	65	100	65	100	150	200	200	200	50	65	65	100	150	200	200	200
Icu at 480 V (AC)		[kA]	25	35	65	25	35	65	100	150	200	25	35	25	35	65	100	150	200
Icu at 600Y/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	100/65[3]
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 (Width/Depth/Height)		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					
		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[4]						•[4]								•[4]					
Ekip LS/I[4]						•[4]								•[4]					
Ekip LSI[4]						•[4]								•[4]					
Ekip LSIG[4]						•[4]								•[4]					
Ekip E-LSIG[4]														•[4]					

(1) Fixed version only
(2) With F, EF, ES, FCCuAl installation
(3) 100kA up to 150A, 65kA from 175A to 250A
(4) Not available for X 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	[V]	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	[V]	480V (600Y)			600				480V (600Y)		600				
	(DC)	[V]	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**	**H**	**L**	**V**
Magnetic override		[A]	1250			1250				2250		2500				

Note: Please view other side for catalog number explanation and recommended accessories.

Contact us

ABB
Electrification Products
8155 T&B Boulevard
Memphis, TN 38125
www.abb.com/lowvoltage

Customer Service: 800-816-7809
7:00 a.m. - 5:30 p.m., CST, Monday-Friday
elec_custserv@tnb.com

Technical Support: 888-385-1221, Option 1
7:00 a.m. - 5:00 p.m., CST, Monday-Friday
lvps.support@us.abb.com

Power and productivity
for a better world™

Tmax XT molded case circuit breakers – UL/CSA
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

1SXU210231H0201, November 2016

(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)

		kA at 480V AC			
		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 disconnector
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) 12-Load side termination (bottom)		XT1	XT2	XT3	XT4
F	F Front terminals, no lugs installed	F	F	F	F
A	FC Cu terminals for Cu cables (saddle clamps)	KXT1CU-3PC KXT1CUMCP-3PC	KXT2CU-3PC	KXT3CU-3PC	KXT4CU-3PC KXT4XCU-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	MC 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		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		

Note: Please view other side for range information.

(14) Right mount accessories—right side

Factory assembled		Ready to install			
14-Internal accessories—left side		XT1	XT2	XT3	XT4
0	None			0	
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	—	KXTCAXC2Q2SYS51FP	—	KXTCAXC2Q2SYS51FP
F	AUX 1 S51 250V AC/DC	—	KXTCAXCS51FP	—	KXTCAXCS51FP
G	AUX 1Q, 1SY 24V DC		KXTAAXCDQSYFP		
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	—	KXTCAXC42QFP	—	KXTCAXC42QFP
1	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			0	
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	KXTBPLLREM	—	KXTBPLLREM	—
K	FLD front for locking operating lever mechanism	—	KXTCFLDFP fixed, plug in KXTCFLDW withdrawable	—	KXTCFLDFP fixed, plug in KXTCFLDW withdrawable
L	RHD normal direct handle	KXTBRHDSTFP	KXTCRHDSTFP	KXTBRHDSTFO	KXTCRHDSTFP
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

Recommended accessories (Ready to install only)

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	OXP10X148			
225mm pistol handle shaft	OXP10X225			
500mm pistol handle shaft	OXP10X500			

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				
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	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 KXTCFLDW withdrawable	—	KXTCFLDFP fixed, plug in 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 ZEAEKPTT	—	ZEAEKPTT	--	ZEAEKPTT
Ekip T&P — Programming and test unit	—	EKIP	--	EKIP

Contact us

ABB
Electrification Products
8155 T&B Boulevard
Memphis, TN 38125
www.abb.com/lowvoltage

Customer Service: 800-816-7809
7:00 a.m. - 5:30 p.m., CST, Monday-Friday
elec_custserv@tnb.com

Technical Support: 888-385-1221, Option 1
7:00 a.m. - 5:00 p.m., CST, Monday-Friday
lvps.support@us.abb.com

Power and productivity for a better world™