

Tmax XT ranges

Circuit breakers for power distribution

3

Molded case circuit breakers (MCCB)			XT1		
Frame Size		[A]	125		
Rated		80% rated	■		
		100% rated TM	up to 100A		
		100% rated Ekip	-		
Poles		[No.]	3, 4		
Rated voltage	(AC) 50-60Hz	[V]	600Y/347		
	(DC)	[V]	500		
Versions			Fixed, Plug-in		
Interrupting ratings			N	S	H
	240 V (AC)	[kA]	50	65	100
	480 V (AC)	[kA]	25	35	65
	600Y/347 V (AC)	[kA]	18	22	25
	600 V (AC)	[kA]	-	-	-
	250 V (DC) 2 poles in series	[kA]	35	42	50
	500 V (DC) 3 poles in series	[kA]	-	-	-
	500 V (DC) 4 poles in series	[kA]	35	50	50
600 V (DC) 3 poles in series	[kA]	-	-	-	
Mechanical life		[No. Operations]	25000		
		[No. Hourly operations]	240		
Dimensions - Fixed (Width x Depth x Height)	3 poles	[mm]/[in]	[76,2 x 70 x 130] / [3 x 2.75 x 5.12]		
	4 poles	[mm]/[in]	[101,6 x 70 x 130] / [4 x 2.75 x 5.12]		
Weight	Fixed 3/4 poles	[kg]/[lbs]	[1,1 - 2.43] / [1,4 - 3.07]		
	Plug-in (EF) 3/4 poles	[kg]/[lbs]	[2,21 - 4.87] / [2,82 - 6.22]		
	Withdrawable (EF) 3/4 poles	[kg]/[lbs]	-		
Total opening time	CB with SOR	[ms]	15		
	CB with UVR	[ms]	15		
Trip units for power distribution			■		
	TMF		-		
	TMA		-		
	Ekip LS/I		-		
	Ekip I		-		
	Ekip LSI		-		
	Ekip LSIG		-		
	Ekip E-LSIG		-		
Interchangeable protection trip units			-		

⁽¹⁾ Current Limiting circuit breaker in 480V AC and 600V AC

⁽²⁾ 2-poles version available only as complete circuit breaker with TMF, trip units interchangeable; 4-poles version available only as complete circuit breaker from In=80 to In=250 with TMF, trip units interchangeable

⁽³⁾ With F, EF, ES, FCCuAI installation

⁽⁴⁾ 100kA up to 150A, 65kA from 175A up to 250A

Motor protection ⁽¹⁾			XT1		
Frame Size		[A]	125		
Poles		[No.]	3		
Rated service voltage	(AC) 50-60Hz	[V]	600Y/347		
	(DC)	[V]	500		
Versions			Fixed, Plug-in		
Rating level			H		
Trip units for motor protection			■		
	MA (MCP)		-		
	Ekip M-LIU (MPCB)		-		

⁽¹⁾ Available only as complete circuit breaker

Molded case disconnect switches (MCS)			XT1		
Frame Size		[A]	125		
Poles		[No.]	3, 4		
Rated voltage	(AC) 50-60Hz	[V]	600Y/347		
	(DC)	[V]	500 4p series / 3p CB up to 250V DC 2p series		
Versions			Fixed, Plug-in		
Rating level			N	S	H
Magnetic Override		[A]	1250		

Tmax XT ranges

Circuit breakers for power distribution

XT2						XT3			XT4					
125						225			250					
■						■			■					
up to 100A						fixed version only			up to 250A ⁽³⁾					
■						-			up to 250A ⁽³⁾					
3, 4						3, 4			2 (for N version) 3, 4					
600						600Y/347			600					
500						500			600					
Fixed, Plug-in, Withdrawable						Fixed, Plug-in			Fixed, Plug-in, Withdrawable					
N	S	H ⁽¹⁾	L ⁽¹⁾	V ⁽¹⁾	X	N	S	N	S	H ⁽¹⁾	L ⁽¹⁾	V ⁽¹⁾	X	
65	100	150	200	200	200	50	65	65	100	150	200	200	200	
25	35	65	100	150	200	25	35	25	35	65	100	150	200	
-	-	-	-	-	-	10	10	-	-	-	-	-	-	
18	22	25	35	42	45	-	-	18	22	25	50	65	100/65 ⁽⁴⁾	
35	50	65	75	85	85	25	35	35	42	50	85	100	-	
35	50	65	75	85	85	25	35	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	35	50	65	75	85	-	
25000						25000			25000					
240						240			240					
[90 x 82,5 x 130] / [3,54 x 3,25 x 5,12]						[105 x 70 x 150] / [4,13 x 2,75 x 5,90]			[105 x 82,5 x 160] - [4,13 x 3,25 x 6,3]					
[120 x 82,5 x 130] / [4,72 x 3,25 x 5,12]						[140 x 70 x 150] / [5,51 x 2,75 x 5,90]			[140 x 82,5 x 160] - [5,51 x 3,25 x 6,3]					
[1,2 - 2,65] / [1,6 - 3,53]						[1,7 - 3,37] / [2,1 - 4,63]			[2,5 - 5,51] / [3,5 - 7,72]					
[2,54 - 5,60] / [3,27 - 7,21]						[3,24 - 7,14] / [4,1 - 9,04]			[4,19 - 9,24] / [5,52 - 12,17]					
[3,32 - 7,32] / [4,04 - 8,91]						-			[5 - 11,02] / [6,76 - 14,90]					
15						15			15					
15						15			15					
■						■			■					
■						-			■					
■						-			■					
■						-			■					
■						-			■					
■						-			■					
-						-			■					
■						-			■					

3

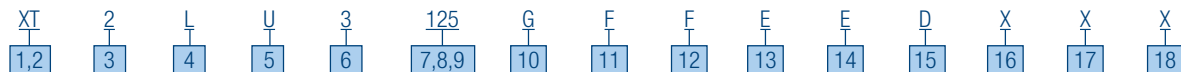
XT2		XT3		XT4	
125		225		250	
3		3		3	
600		600Y/347		600	
500		500		600	
Fixed, Plug-in, Withdrawable		Fixed, Plug-in		Fixed, Plug-in, Withdrawable	
H		S		H	
■		■		■	
■		-		■	

XT2					XT3			XT4				
125					225			250				
3, 4					3, 4			3, 4				
600					600Y/347			600				
500 3p series					500 3p series			600 3p series				
Fixed, Plug-in, Withdrawable					Fixed, Plug-in			Fixed, Plug-in, Withdrawable				
N	H	L	V		N	S		N	S	H	L	V
1250					2250			2500				

Tmax XT ranges

Catalog number explanation

Tmax XT Part number explanation



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 (ampere)

	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 LSIG (Electronic, LSIG protection)
H	Ekip E-LSIG (Electronic, LSIG 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

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		3yr warranty	4yr warranty	5yr warranty
X	None			
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.

Tmax XT ranges

Ordering details XT1

3

XT1 125A TMF - Fixed (F) - 3 poles - Front terminals (F) - UL/CSA

Thermal magnetic trip unit			IC Rating (600V/347V)	N 18kA Part number	S 22kA Part number	H 25kA Part number
Type	In	I _s				
TMF	15	500		XT1NU3015AFF000XXX	XT1SU3015AFF000XXX	XT1HU3015AFF000XXX
	20	500		XT1NU3020AFF000XXX	XT1SU3020AFF000XXX	XT1HU3020AFF000XXX
	25	500		XT1NU3025AFF000XXX	XT1SU3025AFF000XXX	XT1HU3025AFF000XXX
	30	500		XT1NU3030AFF000XXX	XT1SU3030AFF000XXX	XT1HU3030AFF000XXX
	35	500		XT1NU3035AFF000XXX	XT1SU3035AFF000XXX	XT1HU3035AFF000XXX
	40	500		XT1NU3040AFF000XXX	XT1SU3040AFF000XXX	XT1HU3040AFF000XXX
	45	500		XT1NU3045AFF000XXX	XT1SU3045AFF000XXX	XT1HU3045AFF000XXX
	50	500		XT1NU3050AFF000XXX	XT1SU3050AFF000XXX	XT1HU3050AFF000XXX
	60	600		XT1NU3060AFF000XXX	XT1SU3060AFF000XXX	XT1HU3060AFF000XXX
	70	700		XT1NU3070AFF000XXX	XT1SU3070AFF000XXX	XT1HU3070AFF000XXX
	80	800		XT1NU3080AFF000XXX	XT1SU3080AFF000XXX	XT1HU3080AFF000XXX
	90	900		XT1NU3090AFF000XXX	XT1SU3090AFF000XXX	XT1HU3090AFF000XXX
	100	1000		XT1NU3100AFF000XXX	XT1SU3100AFF000XXX	XT1HU3100AFF000XXX
	110	1100		XT1NU3110AFF000XXX	XT1SU3110AFF000XXX	XT1HU3110AFF000XXX
125	1250		XT1NU3125AFF000XXX	XT1SU3125AFF000XXX	XT1HU3125AFF000XXX	

XT1 125A TMF - Fixed (F) - 3 poles - Front terminals (F) - 100% rated UL/CSA

Thermal magnetic trip unit			IC Rating (600V/347V)	NQ 18kA Part number	SQ 22kA Part number	HQ 25kA Part number
Type	In	I _s				
TMF	15	500		XT1NQ3015AFF000XXX	XT1SQ3015AFF000XXX	XT1HQ3015AFF000XXX
	20	500		XT1NQ3020AFF000XXX	XT1SQ3020AFF000XXX	XT1HQ3020AFF000XXX
	25	500		XT1NQ3025AFF000XXX	XT1SQ3025AFF000XXX	XT1HQ3025AFF000XXX
	30	500		XT1NQ3030AFF000XXX	XT1SQ3030AFF000XXX	XT1HQ3030AFF000XXX
	35	500		XT1NQ3035AFF000XXX	XT1SQ3035AFF000XXX	XT1HQ3035AFF000XXX
	40	500		XT1NQ3040AFF000XXX	XT1SQ3040AFF000XXX	XT1HQ3040AFF000XXX
	45	500		XT1NQ3045AFF000XXX	XT1SQ3045AFF000XXX	XT1HQ3045AFF000XXX
	50	500		XT1NQ3050AFF000XXX	XT1SQ3050AFF000XXX	XT1HQ3050AFF000XXX
	60	600		XT1NQ3060AFF000XXX	XT1SQ3060AFF000XXX	XT1HQ3060AFF000XXX
	70	700		XT1NQ3070AFF000XXX	XT1SQ3070AFF000XXX	XT1HQ3070AFF000XXX
	80	800		XT1NQ3080AFF000XXX	XT1SQ3080AFF000XXX	XT1HQ3080AFF000XXX
	90	900		XT1NQ3090AFF000XXX	XT1SQ3090AFF000XXX	XT1HQ3090AFF000XXX
	100	1000		XT1NQ3100AFF000XXX	XT1SQ3100AFF000XXX	XT1HQ3100AFF000XXX

XT1 125A TMF - Fixed (F) - 4 poles - Front terminals (F) - UL/CSA

Thermal magnetic trip unit			IC Rating (600V/347V)	N 18kA Part number	S 22kA Part number	H 25kA Part number
Type	In	I _s				
TMF	15	500		XT1NU4015AFF000XXX	XT1SU4015AFF000XXX	XT1HU4015AFF000XXX
	20	500		XT1NU4020AFF000XXX	XT1SU4020AFF000XXX	XT1HU4020AFF000XXX
	25	500		XT1NU4025AFF000XXX	XT1SU4025AFF000XXX	XT1HU4025AFF000XXX
	30	500		XT1NU4030AFF000XXX	XT1SU4030AFF000XXX	XT1HU4030AFF000XXX
	35	500		XT1NU4035AFF000XXX	XT1SU4035AFF000XXX	XT1HU4035AFF000XXX
	40	500		XT1NU4040AFF000XXX	XT1SU4040AFF000XXX	XT1HU4040AFF000XXX
	45	500		XT1NU4045AFF000XXX	XT1SU4045AFF000XXX	XT1HU4045AFF000XXX
	50	500		XT1NU4050AFF000XXX	XT1SU4050AFF000XXX	XT1HU4050AFF000XXX
	60	600		XT1NU4060AFF000XXX	XT1SU4060AFF000XXX	XT1HU4060AFF000XXX
	70	700		XT1NU4070AFF000XXX	XT1SU4070AFF000XXX	XT1HU4070AFF000XXX
	80	800		XT1NU4080AFF000XXX	XT1SU4080AFF000XXX	XT1HU4080AFF000XXX
	90	900		XT1NU4090AFF000XXX	XT1SU4090AFF000XXX	XT1HU4090AFF000XXX
	100	1000		XT1NU4100AFF000XXX	XT1SU4100AFF000XXX	XT1HU4100AFF000XXX
	110	1100		XT1NU4110AFF000XXX	XT1SU4110AFF000XXX	XT1HU4110AFF000XXX
125	1250		XT1NU4125AFF000XXX	XT1SU4125AFF000XXX	XT1HU4125AFF000XXX	

Tmax XT ranges

Ordering details XT1

XT1 125A TMF - Fixed (F) - 4 poles - Front terminals (F) - 100% rated UL/CSA

Thermal magnetic trip unit			IC Rating (600Y/347V)	NQ 18kA Part number	SQ 22kA Part number	HQ 25kA Part number
Type	In	I ₃				
TMF	15	500		XT1NQ4015AFF000XXX	XT1SQ4015AFF000XXX	XT1HQ4015AFF000XXX
	20	500		XT1NQ4020AFF000XXX	XT1SQ4020AFF000XXX	XT1HQ4020AFF000XXX
	25	500		XT1NQ4025AFF000XXX	XT1SQ4025AFF000XXX	XT1HQ4025AFF000XXX
	30	500		XT1NQ4030AFF000XXX	XT1SQ4030AFF000XXX	XT1HQ4030AFF000XXX
	35	500		XT1NQ4035AFF000XXX	XT1SQ4035AFF000XXX	XT1HQ4035AFF000XXX
	40	500		XT1NQ4040AFF000XXX	XT1SQ4040AFF000XXX	XT1HQ4040AFF000XXX
	45	500		XT1NQ4045AFF000XXX	XT1SQ4045AFF000XXX	XT1HQ4045AFF000XXX
	50	500		XT1NQ4050AFF000XXX	XT1SQ4050AFF000XXX	XT1HQ4050AFF000XXX
	60	600		XT1NQ4060AFF000XXX	XT1SQ4060AFF000XXX	XT1HQ4060AFF000XXX
	70	700		XT1NQ4070AFF000XXX	XT1SQ4070AFF000XXX	XT1HQ4070AFF000XXX
	80	800		XT1NQ4080AFF000XXX	XT1SQ4080AFF000XXX	XT1HQ4080AFF000XXX
	90	900		XT1NQ4090AFF000XXX	XT1SQ4090AFF000XXX	XT1HQ4090AFF000XXX
100	1000		XT1NQ4100AFF000XXX	XT1SQ4100AFF000XXX	XT1HQ4100AFF000XXX	

3

XT1 125A MCP (MA) Fixed (F) - 3 poles - Front terminals (F) - UL/CSA

Magnetic trip unit			IC Rating (600Y/347V)	H 25kA Part number
Type	In	I ₃		
MCP	3	9...33		XT1HU3003MFF000XXX
	7	21...77		XT1HU3007MFF000XXX
	15	45...165		XT1HU3015MFF000XXX
	30	90...330		XT1HU3030MFF000XXX
	50	150...550		XT1HU3050MFF000XXX
	70	210...770		XT1HU3070MFF000XXX
	80	240...880		XT1HU3080MFF000XXX
	100	300...1100		XT1HU3100MFF000XXX
	125	375...1375		XT1HU3125MFF000XXX

XT1 125A Switch - Fixed (F) - 3 poles - Front terminals (F) - UL/CSA

No Trip Unit			IC Rating (600Y/347V)	N 18kA Part number	S 22kA Part number	H 25kA Part number
Type	In	Mag. Override				
D	125	1250		XT1NU3125DFF000XXX	XT1SU3125DFF000XXX	XT1HU3125DFF000XXX

XT1 125A Switch - Fixed (F) - 4 poles - Front terminals (F) - UL/CSA

No Trip Unit			IC Rating (600Y/347V)	N 18kA Part number	S 22 kA Part number	H 25k Part number
Type	In	Mag. Override				
D	125	1250		XT1NU4125DFF000XXX	XT1SU4125DFF000XXX	XT1HU4125DFF000XXX

Tmax XT ranges

XT1 Accessories

3



Fixed part of plug-in



Conversion kit



Fixed part adapter

Fixed parts, conversion kits and accessories for fixed parts

Fixed part of plug-in (P)

Type	3p Part number	4p Part number
Kit P FP EF	KXT1PFPEF-3	KXT1PFPEF-4
Kit P FP HR/VR ⁽¹⁾	KXT1EPFPHR-3	KXT1EPFPHR-4

⁽¹⁾IEC rated only. The terminals are factory-mounted in the horizontal position (HR).

Terminals for the fixed parts⁽¹⁾

Type	3p Part number	4p Part number
EF - Front extended terminals	KXT1EEFFP-3	KXT1EEFFP-4
R - Rear terminals HR/VR	KXT1ERFP-3	KXT1ERFP-4
PS - Rear phase separators 90mm/3.54in	KXTAEPB90-3	KXTAEPB90-4

⁽¹⁾IEC rated only.

Conversion kit of the circuit breaker from fixed into moving part of plug-in

Type	3p Part number	4p Part number
P MP kit	KXT1PMP-3	KXT1PMP-4

Adapter for mounting the terminals of the fixed circuit breaker on the fixed part

Type	3p Part number	4p Part number
ADP adapter for fixed part (2 pieces)	KXT1ADP-3	KXT1ADP-4

Note: When using ADP with ES/MC terminals, also order "Kit F Front Terminals".

Tmax XT ranges

XT1 Accessories



SOR uncabled



SOR cabled



UVR uncabled



UVR cabled



Time delay device for undervoltage release

Service releases

Shunt Trip - SOR

Type	Part number
Uncabled version	
SOR 12V DC	KXTASORA
SOR 24-30V AC/DC	KXTASORB
SOR 48-60V AC/DC	KXTASORC
SOR 110...127V AC / 110...125V DC	KXTASORD
SOR 220...240V AC / 220...250V DC	KXTASORE
SOR 380-440V AC	KXTASORF
SOR 480-525V AC	KXTASORG
Cabled version	
SOR-C 12V DC	KXTASORCFPA
SOR-C 24-30V AC/DC	KXTASORCFPB
SOR-C 48-60V AC/DC	KXTASORCFPC
SOR-C 110...127V AC / 110...125V DC	KXTASORCFPD
SOR-C 220...240V AC / 220...250V DC	KXTASORCFPE
SOR-C 380-440V AC	KXTASORCFPF
SOR-C 480-525V AC	KXTASORCFPG

Undervoltage release - UVR

Type	Part number
Uncabled version	
UVR 24-30V AC/DC	KXTAUVR1
UVR 48V AC/DC	KXTAUVR2
UVR 60V AC/DC	KXTAUVR3
UVR 110...127V AC / 110...125V DC	KXTAUVR4
UVR 220...240V AC / 220...250V DC	KXTAUVR5
UVR 380-440V AC	KXTAUVR6
UVR 480-525V AC	KXTAUVR7
Cabled version	
UVR-C 24-30V AC/DC	KXTAUVRCFP1
UVR-C 48V AC/DC	KXTAUVRCFP2
UVR-C 60V AC/DC	KXTAUVRCFP3
UVR-C 110...127V AC / 110...125V DC	KXTAUVRCFP4
UVR-C 220...240V AC / 220...250V DC	KXTAUVRCFP5
UVR-C 380-440V AC	KXTAUVRCFP6
UVR-C 480-525V AC	KXTAUVRCFP7

Delay device for undervoltage release - UVD⁽¹⁾

Type	Part number
UVD 24...30V AC/DC	KT3UVD8
UVD 48...60V AC/DC	KT3UVD7
UVD 110...125V AC/DC	KT3UVD4
UVD 220...250V AC/DC	KT3UVD2

⁽¹⁾IEC rated only.

Tmax XT ranges

XT1 Accessories

3



Socket plug connector



AUX uncabled



AUX cabled



AUP - Auxiliary position contacts



AUE - Early auxiliary contacts



Motor operator

Connectors

Socket plug connector on the panel⁽¹⁾

Type	Part number
Socket-plug connector with 3 PINS	KXTAE3PINCON
Socket-plug connector with 6 PINS	KXTAE6PINCON
Socket-plug connector with 9 PINS	KXTAE9PINCON
Socket-plug connector with 15 PINS	KXTAE15PINCON

⁽¹⁾IEC rated only.

Electrical signals

Auxiliary contacts - AUX

Type	Part number
Uncabled version	
AUX 250V	KXTAAUX
AUX 24V DC	KXTAAUXD
Cabled version	
AUX-C 3 Q 250V Left	KXT1AXC3QL
AUX-C 1 Q +1 SY 250V	KXTAAXCQSYFP
AUX-C 2 Q +1 SY 250V	KXTAAXC2QSYFP
AUX-C 1 Q +1 SY 24V DC	KXTAAXCDQSYFP

Auxiliary position contacts - AUP

Type	Part number
Cabled version	
AUP-I – Four racked-in contacts 250V for plug-in circuit breaker	KXTAAUP250IN
AUP-I – Four racked-in contacts 24V DC for plug-in circuit breaker	KXTAAUP24IN

Early auxiliary contacts - AUE

Type	Part number
AUE – Two contacts in the rotary handle RHx (Closed)	KXTAAUECLFP
AUE – Two contacts in the rotary handle RHx (Open)	KXTDAUEOPFP

Motor operators

Motor operator with direct action - MOD

Type	Part number
MOD 24V DC	KXTBMOD24
MOD 48...60V DC	KXTBMOD48-60
MOD 110...125V AC/DC	KXTBMOD110-125
MOD 220...250V AC/DC	KXTBMOD220-250
MOD 380...440V AC	KXTBMOD280-240
MOD 480...525V AC	KXTBMOD480-525

Tmax XT ranges

XT1 Accessories



Direct rotary handle



Extended rotary handle



IP54

Rotary handle operating mechanisms

Rotary handle operating mechanism

Type	Part number
RHD Standard Direct Handle	KXTRHDSTFP
RHD Emergency Direct Handle	KXTRHDEMFP
RHE Standard Extended Handle	KXTRHESTFP
RHE Emergency Extended Handle	KXTRHEEMFP
RHE Standard Extended Handle with Padlock	KXTRHESTFPPLK
RHE Emergency Extended Handle with Padlock	KXTRHEEMFPPLK
RHS-L Standard Left Side Handle	KXTRHSLSTFP
RHS-L Emergency Left Side Handle	KXTRHSLSEMFP
RHS-R Standard Right Side Handle	KXTRHRSRSTFP
RHS-R Emergency Right Side Handle	KXTRHRSREMFP
Extended handle spare parts	
RHE_B Base for Extended Handle	KXTRHEBFP
RHE_B Base for Extended Handle with Padlock ⁽¹⁾	KXTRHEBFPPLK
RHE_S 500mm Shaft	KXTRHES500
RHE_H Standard Extended Handle	KXTRHEHST
RHE_H Emergency Extended Handle	KXTRHEHEM
LH Standard Large Handle, NEMA 1	KXTALHNDLST
LH Emergency Large Handle, NEMA 1	KXTALHNDLEM
Standard Pistol Handle with reset function, 65mm, NEMA 3R,12	OHB65J10B
Emergency Pistol Handle with reset function, 65mm, NEMA 3R,12	OHY65J10B
Standard Pistol Handle with reset function, 65mm, NEMA 4,4X	OHB65L10B
Emergency Pistol Handle with reset function, 65mm, NEMA 4, 4X	OHY65L10B
Standard Pistol Handle with reset function, 125mm, NEMA 3R,12	OHB125J10B
Emergency Pistol Handle with reset function, 125mm, NEMA 3R,12	OHY125J10B
Standard Pistol Handle with reset function, 125mm, NEMA 4,4X	OHB125L10B
Emergency Pistol Handle with reset function, 125mm, NEMA 4, 4X	OHY125L10B
148mm Pistol Handle Shaft	OXPT10X148
225mm Pistol Handle Shaft	OXPT10X225
500mm Pistol Handle Shaft	OXPT10X500

IP54 protection for transmitted rotary handle⁽¹⁾

Type	Part number
IP54 protection for transmitted handle -RHE	KXTAERHEIP54

⁽¹⁾IEC rated only.

Flange handle

Type	Part number
Flange Handle + Mechanism + 4ft Cable (NEMA 1, 3R, 12, 4)	KXTN12FLHDL4
Flange Handle + Mechanism + 6ft Cable (NEMA 1, 3R, 12, 4)	KXTN12FLHDL6
Flange Handle + Mechanism + 10ft Cable (NEMA 1, 3R, 12, 4)	KXTN12FLHDL10
Flange Handle + Mechanism + 4ft Cable (NEMA 1, 3R, 12, 4, 4X) ⁽¹⁾	KXTN4FLHDL4
Flange Handle + Mechanism + 6ft Cable (NEMA 1, 3R, 12, 4, 4X) ⁽¹⁾	KXTN4FLHDL6
Flange Handle + Mechanism + 10ft Cable (NEMA 1, 3R, 12, 4, 4X) ⁽¹⁾	KXTN4FLHDL10
Flange Handle Spare Parts	
Flange Handle only (NEMA 1, 3R, 12, 4)	KXTAN12FLHDL
Flange Handle only (NEMA 1, 3R, 12, 4, 4X) ⁽¹⁾	KXTAN4FLHDL
Flange Handle Hardware	KXTAFLHDLHW
Flange Mounting Hardware	KXTBFLMTHW

⁽¹⁾Consult ABB for availability.

Tmax XT ranges

XT1 Accessories

3



Fixed padlock



Key lock on the circuit breaker



Key lock on the handle



Key lock on the motor



Interlock

Locks

Padlock on the circuit breaker

Type	Part number
PLL removable lock with padlocks in open position	KXTBPLLREM
PLL fixed lock with padlocks in open position	KXTBPLLLOP
PLL fixed lock with padlocks in open/closed position	KXTBPLLPOCL

Key lock on the circuit breaker

Type	Part number
KLC Ronis key lock open, different keys, removable in open position	KXT1KLCCBDIF
KLC Ronis key lock open, same Type A keys, removable in open position	KXT1KLCCBA
KLC Ronis key lock open, same Type B keys, removable in open position	KXT1KLCCBB
KLC Ronis key lock open, same Type C keys, removable in open position	KXT1KLCCBC
KLC Ronis key lock open, same Type D keys, removable in open position	KXT1KLCCBD
KLC Ronis key lock open/closed, different keys, removable in both positions	KXT1KLCCBOPCL

Key lock on the rotary handle

Type	Part number
RHL Ronis key lock open, different keys, RHx	KXTARHLDIF
RHL Ronis key lock open, same Type A keys, RHx	KXTARHLA
RHL Ronis key lock open, same Type B keys, RHx	KXTARHLB
RHL Ronis key lock open, same Type C keys, RHx	KXTARHLC
RHL Ronis key lock open, same Type D keys, RHx	KXTARHLD
RHL Ronis key lock open/closed, different keys, RHx	KXTARHLOPCL

Key lock on the motor⁽¹⁾

Type	Part number
MOL-D Ronis key lock open, different keys	KXTBEMOLDIF
MOL-S Ronis key lock open, same Type A keys	KXTBEMOLA
MOL-S Ronis key lock open, same Type B keys	KXTBEMOLB
MOL-S Ronis key lock open, same Type C keys	KXTBEMOLC
MOL-S Ronis key lock open, same Type D keys	KXTBEMOLD

⁽¹⁾IEC rated only.

Mechanical interlock

Type	Part number
Chassis MIR-H	KXTAMIRHR
Chassis MIR-V	KXTAMIRVR
Plate XT1 F	KXT1MIRPLF
Plate XT1 P	KXT1MIRPLP
Plate XT2 F	KXT2MIRPLF
Plate XT2 P/W	KXT2MIRPLPW
Plate XT3 F	KXT3MIRPLF
Plate XT3 P	KXT3MIRPLP
Plate XT4 F	KXT4MIRPLF
Plate XT4 P/W	KXT4MIRPLPW

Sealable lock of thermal setting⁽¹⁾

Type	Part number
Lock on thermal setting for TMA trip unit	KXTAEAAASEALREL

⁽¹⁾IEC rated only.

Tmax XT ranges

XT1 Accessories



RC Inst / RC Sel

Residual current devices

Residual current devices⁽¹⁾

Type	3p Part number	4p Part number
RC Sel Low 200mm	-	KXT1ERCSEL200-4
RC Inst	KXT1ERCINST-3	KXT1ERCINST-4
RC Sel	KXT1ERCSEL-3	KXT1ERCSEL-4

⁽¹⁾IEC rated only.

Panel type residual current relay⁽¹⁾

Type	Part number
RCQ020/A 115-230V AC	KXTAERCQ230
RCQ020/A 415V AC	KXTAERCQ415
Toroid closed Ø 60mm	KXTTETOR60
Toroid closed Ø 110mm	KXTTETOR110
Toroid closed Ø 185mm	KXTTETOR185

⁽¹⁾IEC rated only.

Installation

Bracket for mounting onto DIN rail⁽¹⁾

Type	3p Part number	4p Part number
KIT DIN50022	KXT1EDIN-3	KXT1EDIN-4
KIT DIN50022 XT1 + RC Low 200mm	-	KXT1EDINRCSELPL
KIT DIN50022 XT1 + RC Sel/RC Inst	KXT1EDINRCPL	KXT1EDINRCPL

⁽¹⁾IEC rated only.



DIN guide

Terminals, terminal covers and phase barriers

Insulating terminal covers

Type	3p Part number	4p Part number
LTC low terminal covers	KXT1LTC-3	KXT1LTC-4
HTC high terminal covers	KXT1HTC-3	KXT1HTC-4



Terminal covers

Sealable screws for terminal covers⁽¹⁾

Type	Part number
Kit with two sealable screws	KXTAESSEAL

⁽¹⁾IEC rated only.



Sealable screw

Phase barriers

Type	4pcs Part number	6pcs Part number
PB height 25mm/0.98in	KXTBPB25-3	KXTBPB25-4
PB height 100mm/3.94in	KXTBPB100-3	KXTBPB100-4
PB height 200mm/7.87in	KXTBPB200-3	KXTBPB200-4



Phase barriers

Tmax XT ranges

XT1 Accessories



EF terminal



FCCu terminal

3

Terminals

Type	3 pcs Part number	4 pcs Part number	6 pcs Part number	8 pcs Part number
F Front terminals	KXT1F-3PC	KXT1F-4PC	KXT1F-6PC	KXT1F-8PC
F Front terminals for MCP	KXT1F3PCMCP	-	KXT1F6PCMCP	-
EF Extended front terminals	KXT1EF-3PC	KXT1EF-4PC	KXT1EF-6PC	KXT1EF-8PC
ES Extended spread terminals	KXT1ES-3PC	KXT1ES-4PC	KXT1ES-6PC	KXT1ES-8PC
FC Cu Terminals for Cu cables 125A, 14-1/0 AWG, 1x2.5...50mm ²	KXT1CU-3PC	KXT1CU-4PC	KXT1CU-6PC	KXT1CU-8PC
FC Cu Terminals for Cu cables MCP, 14-1/0 AWG, 1x1.5...50mm ²	KXT1CUMCP-3PC	KXT1CUMCP-4PC	KXT1CUMCP-6PC	KXT1CUMCP-8PC
MC Multi cable terminals for Cu cables, 6x14-2 AWG, 6x2.5...35mm ²	KXT1MC-3PC	KXT1MC-4PC	KXT1MC-6PC	KXT1MC-8PC
R Rear adjustable terminals ⁽¹⁾	KXT1ER-3PC	KXT1ER-4PC	KXT1ER-6PC	KXT1ER-8PC
R -RC Rear terminals for residual current ⁽¹⁾	-	KXT1ERRC-4PC	-	-
FB Flexibar Terminals ⁽¹⁾	KXT1EFB-3PC	KXT1EFB-4PC	KXT1EFB-6PC	KXT1EFB-8PC

⁽¹⁾IEC rated only.

Automatic transfer devices

ATS021 - ATS022 Automatic transfer devices⁽¹⁾

Type	Part number
ATS021	ATS021
ATS022	ATS022

⁽¹⁾IEC rated only.



ATS021

Spare parts

Type	Part number
SA RC Sel / RC Inst - Opening solenoid for the residual current device ⁽¹⁾	KXT1ESARCFP
AUX-C - Loose cabled auxiliary contact 250V AC ⁽²⁾	KXTAAUXCFP
AUX-C - Loose cabled auxiliary contact 24V DC ⁽²⁾	KXTAAUXCDFP
AUX-C - Loose cabled auxiliary contact 250V AC 600V ⁽²⁾	KXTAAUXCFPHD
AUX-C - Loose cabled auxiliary contact 24V DC 600V ⁽²⁾	KXTAAUXCDFPHD

⁽¹⁾IEC rated only.

⁽²⁾Un-numbered cables.

Flanges for the compartment door⁽¹⁾

Type	3p Part number	4p Part number
Small "optional" flange for circuit breaker	KXTAEFLASMFP	KXTAEFLASMFP
Large "standard" flange for circuit breaker	KXT1EFLAFP-3	KXT1EFLAFP-4
Flange for MOD	KXTBEFLAMOD	KXTBEFLAMOD
Flange for direct handle RHD	KXTAEFLARHDFP	KXTAEFLARHDFP
Flange for residual current RC Sel/RC Sel	KXT1EFLARCFP-3	KXT1EFLARCFP-4

⁽¹⁾IEC rated only.



Flange