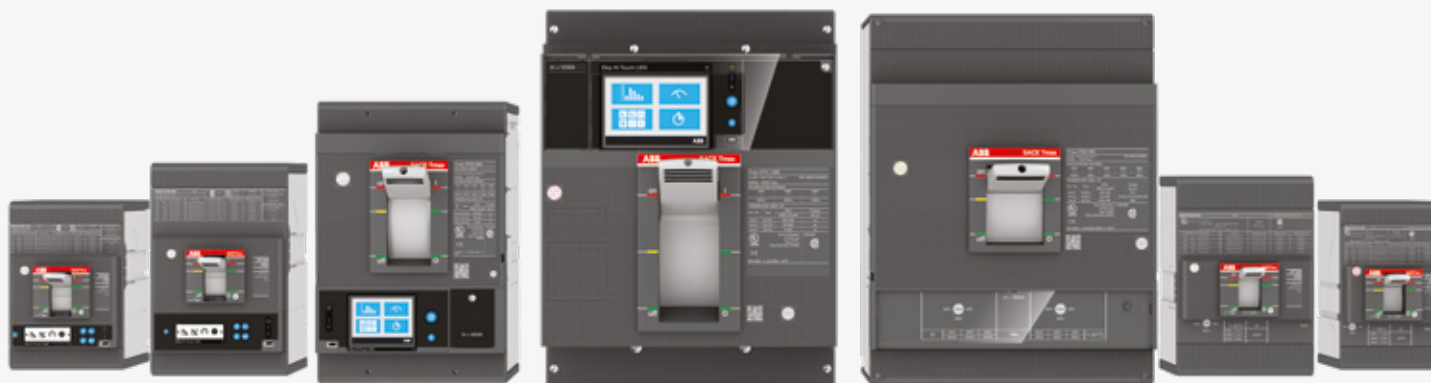


CATALOG

SACE® Tmax® XT UL/CSA

Low voltage molded case circuit breakers
UL489 and CSA CS22.2 Standards
for the NEMA market



Break new ground

- Data and connectivity
- Ease of use and installation
- Performance and protection
- Safety and reliability

U.S. ordering code construction

3: Frame

Digits	XT1	XT2	XT3	XT4	XT5	XT6	XT7
N	25	25	25	25	35	35	–
S	35	35	35	35	50	50	50
H	65	65	–	65	65	65	65
L	–	100	–	100	100	–	100
V	–	150	–	150	150	–	–
X	–	200	–	200	200	–	–

5: Standard
UL & IEC
U UL 80%
Q UL 100%
C UL 80% + CCC
D UL 100% + CCC
E IEC only
5 IEC 50°C

- 2** 2 Poles
- 3** 3 Poles
- 4** 4 P 100%
- N** 4P 50% (IEC only)

XT1-4		XT5-7	
Digits	Amps	Digits	Amps
010	10 A	25A	250 A (XT5)
015	15 A	30A	300 A (XT5)
020	20 A	32A	320 A (XT5 IEC ²)
025	25 A	40A	400 A (XT5)
030	30 A	50B	500 A (XT5)
035	35 A	60B	600 A (XT5)
040	40 A	600	600 A (XT6)
045	45 A	60C	600 A (XT7)
050	50 A	63B	630 A (XT5 IEC ²)
060	60 A	630	630 A (XT6 IEC ²)
070	70 A	800	800 A (XT6)
080	80 A	80C	800 A (XT7)
090	90 A	1K0	1000 A (XT6 IEC ²)
100	100 A	10D	1000 A (XT7)
110	110 A	12E	1200 A/1250 A (XT7)
125	125 A	16F	1600 A (XT7 IEC ²)
150	150 A		
175	175 A		
200	200 A		
225	225 A		
250	250 A		

A	TMF	J	Ekip DIP I	S	Ekip Touch Measuring LSI
B	TMA/TMD	K	Ekip DIP M-I	T	Ekip Hi-Touch LSI
C	Ekip DIP LIG	L	Ekip DIP M-LIU	U	Ekip Hi-Touch LSIG
D	MCS	M	MA (MCP)	W	Ekip M Touch LRIU
E	Ekip DIP LS/I	N	TMG	X	Ekip G Dip LS/I
F	Ekip DIP LSI	P	Ekip Touch LSI	Y	Ekip G Touch LSIG
G	Ekip DIP LSIG	Q	Ekip Touch LSIG	Z	Ekip G Hi-Touch LSIG
H	Ekip DIP E-LSIG	R	Ekip Touch Measuring LSI		

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, 110 A-125 (XT1, XT2)
- C** FC CuAl Terminals for CuAl cables, 14–1/0 AWG, 110 A, control tap included (XT2)
- D** KIT FC CuAl 10–2/0 AWG (XT1, XT2)
- E** KIT FC CuAl 10–2/0 AWG control tap included (XT1, XT2)
- G** FC CuAl Terminals for CuAl cables, 14–1/0 AWG, 100 A (XT3, XT4)
- H** FC CuAl Terminals for CuAl cables, 14–1/0 AWG, 100 A, control tap included (XT3, XT4)
- J** KIT FC CuAl 4 AWG–300 kcmil, 225A (XT3, XT4)
- K** FC CuAl Terminals for CuAl cables, 4 AWG–300 kcmil, 225 A, control tap included (XT3, XT4)
- L** FC CuAl Terminals for CuAl Cables, 3/0 AWG–350 kcmil, 250 A (XT4)
- M** FC CuAl Terminals for CuAl Cables, 3/0 AWG–350 kcmil, 250 A, control tap included (XT4)
- Z** MC Multi-cable terminals for Cu (6x14–2 AWG)
- 1** EF Extended front terminals
- 2** ES Extended spread terminals
- 3** FB Terminals for flexible busbar
- 4** R Rear terminals
- 6** Plug-in kit (must also use 6 for load side)
- 7** Withdrawable kit (must also use 7 for the load side) (XT2, XT4)
- 8** FC CuAl 1x4/0 AWG–500 kcmil (XT5)
- 9** FCCuAl 1x6 AWG–350 kcmil (XT5)
- N** FC CuAl 2x2/0 AWG–500 kcmil (XT5)
- P** KIT FCCuAl 1x500 kcmil control tap included (XT5)
- Q** KIT FCCuAl 1x350 kcmil control tap included (XT5)
- R** KIT FCCuAl 2x500 kcmil control tap included (XT5, XT6)
- S** KIT FCCuAl 500–750 kcmil (XT5)
- O** KIT FCCuAl 500–750 kcmil control tap included (XT5)
- T** FC CuAl 2x250–500 kcmil (XT6)
- U** FC CuAl 3x2/0 AWG–400 kcmil (XT6)
- V** FC CuAl 3x400 kcmil control tap included (XT6)
- W** FC CuAl 4x4/0 AWG–500 kcmil
- X** FC CuAl 3x500–750 kcmil
- Y** LSC for ReliaGear NeXT power panelboard

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, 110 A-125 (XT1, XT2)
- C** FC CuAl Terminals for CuAl cables, 14–1/0 AWG, 110 A, control tap included (XT2)
- D** KIT FC CuAl 10–2/0 AWG (XT1, XT2)
- E** KIT FC CuAl 10–2/0 AWG control tap included (XT1, XT2)
- G** FC CuAl Terminals for CuAl cables, 14–1/0 AWG, 100 A (XT3, XT4)
- H** FC CuAl Terminals for CuAl cables, 14–1/0 AWG, 100 A, control tap included (XT3, XT4)
- J** KIT FC CuAl 4 AWG–300 kcmil, 225A (XT3, XT4)
- K** FC CuAl Terminals for CuAl cables, 4 AWG–300 kcmil, 225 A, control tap included (XT3, XT4)
- L** FC CuAl Terminals for CuAl Cables, 3/0 AWG–350 kcmil, 250 A (XT4)
- M** FC CuAl Terminals for CuAl Cables, 3/0 AWG–350 kcmil, 250 A, control tap included (XT4)
- Z** MC Multi-cable terminals for Cu (6x14–2 AWG)
- 1** EF Extended front terminals
- 2** ES Extended spread terminals
- 3** FB Terminals for flexible busbar
- 4** R Rear terminals
- 6** Plug-in kit (must also use 6 for load side)
- 7** Withdrawable kit (must also use 7 for the line side) (XT2, XT4)
- 8** FC CuAl 1x250–500 kcmil (XT5)
- 9** FC CuAl 1x6 AWG–350 kcmil (XT5)
- N** FC CuAl 2x2/0 AWG–500 kcmil (XT5)
- P** KIT FCCuAl 1x500 kcmil control tap included (XT5)
- Q** KIT FCCuAl 1x350 kcmil control tap included (XT5)
- R** KIT FCCuAl 2x500 kcmil control tap included (XT5, XT6)
- S** KIT FCCuAl 500–750 kcmil (XT5)
- O** KIT FCCuAl 500–750 kcmil control tap included (XT5)
- T** FC CuAl 2x250–500 kcmil (XT6)
- U** FC CuAl 3x2/0 AWG–400 kcmil (XT6)
- V** FC CuAl 3x400 kcmil control tap included (XT6)
- W** FC CuAl 4x4/0 AWG–500 kcmil
- X** FC CuAl 3x500–750 kcmil

15: Front accessories

- | | |
|--|--|
| O None | T RHE Variable depth mechanism emergency + early aux contact, opening |
| A Motor operator 24 V DC | U RHD Standard direct handle + early aux contact, closing |
| B Motor operator 48–60 V DC | V RHD Emergency direct handle + early aux contact, closing |
| C Motor operator 110–125 V AC/DC | W RHE Variable depth mechanism, standard + early aux contact, closing |
| D Motor operator 220–250 V AC/DC | X RHE Variable depth mechanism emergency + early aux contact, closing |
| E Motor operator 380–440 V AC | Z RHE Variable depth mechanism, emergency |
| F Motor operator 480–525 V AC | 9 RHE Variable depth mechanism + 2 PLL |
| G PLL Fixed padlock device in open/closed position | 1 Motor operator for use with Modbus 24 V DC – MOE-E fast opening |
| H PLL Fixed padlock device in open position | 2 Motor operator for use with Modbus 48–60 V DC – MOE-E fast opening |
| J PLL Removable padlock device in open position (XT1, XT3) | 3 Motor operator for use with Modbus 110–125 V AC/DC – MOE-E fast opening |
| K FLD Front for locking operating lever mechanism (XT2, XT4) | 4 Motor operator for use with Modbus 220–250 V AC/DC – MOE-E fast opening |
| L RHD Standard direct handle | 5 Motor operator for use with Modbus 380–440 V AC – MOE-E fast opening |
| M RHD Emergency direct handle | 6 Motor operator for use with Modbus 480–525 V AC – MOE-E fast opening |
| Y RHD Standard direct handle + 2 PLL | |
| N RHE Variable depth mechanism, standard | |
| P RHE Variable depth mechanism emergency + 2 PLL | |
| 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 | |

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)
- G** KLC-A key lock open kirk (XT5 - XT7)
- H** KLC-A key lock open Ronis 1104 (XT5 - XT7)
- J** KLC-A key lock open STI (XT5 - XT7)
- K** KLC-A Castell key lock open (XT5 - XT7)

18: Additional certifications

- X** None
- E** Test certificate provided (in English)
- F** Test certificate provided (in French)
- S** Test certificate provided (in Spanish)
- 4** Extended warranty, 4 years
- 5** Extended warranty, 5 years

17: Advanced functionality

- | | |
|--|--|
| X None | Q ROCOF protection |
| A Class 1 power & energy metering | R EKIP power controller |
| G Measuring | S ATS main-tie-main closed license |
| H Voltages protection | T ATS main-tie-main open license |
| J Frequency protection | U ATS main-main closed license |
| K Power protection | V ATS main-main open license |
| L Adaptive protection | W Synchro reclosing |
| M Datalogger | X IPS – Interface protection system |
| N Network analyzer | Y Load shedding – predictive |
| P Voltages protection advanced | Z Load shedding – adaptive |