Dette produktet kan kjøpes fra:
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Overview of the Tmax family

Kilde:
ABB Technical Catalogue May 2016
SACE Tmax. T Generation

Circuit-breakers for AC-DC distribution

			T4	T5	T6	T7
Size	[A]		250(1)/320	400/630	630/800/1000	800/1000/1250/1600
In	[A]		20...320	320...630	630...1000	200...1600
Poles	[Nr]		3/4	3/4	3/4	3/4
Ue	[V]	(AC) 50 - 60 Hz	690	690	690	690
	[V]	(DC)	750	750	750	
Icu (380-415 V AC)	[kA]	N	36	36	36	
	[kA]	S	50	50	50	50
	[kA]	H	70	70	70	70
	[kA]	L	120	120	100	120
	[kA]	V	200	200	150 (2)	150
	[kA]	X				170 (3)

(1) T4 250A L, V version; (2) T6V: 630A and 800A only; (3) T7X: 800A only

Circuit-breakers for zone selectivity

			T4	T5	T6	T7
Size	[A]		250/320	400/630	630/800/1000	800/1000/1250/1600
Poles	[Nr]		3/4	3/4	3/4	3/4
Ue	[V]	(AC) 50 - 60 Hz	690/1000	690/1000	690	690
EFDP zone selectivity			■	■	■	
ZS zone selectivity						■

Circuit-breakers for motor protection

			T4	T5	T6	T7
Size	[A]		250/320	400/630	800	800/1000/1250
Poles	[Nr]		3	3	3	3
Ue	[V]	(AC) 50 - 60 Hz	690	690	690	690
Magnetic only trip unit, IEC 60947-2			■			
PR221DS-I trip unit, IEC 60947-2			■	■	■	
Ekip M-LRIU trip unit, IEC 60947-4-1			■	■	■	
PR231/P-I trip unit, IEC 60947-2						■

Circuit-breakers for use up to 1150 V AC and 1000 V DC

			T4	T5	T6	
Size	[A]		250	400/630	630/800	
Poles	[Nr]		3/4	3/4	3/4	
Icu max	[KA]	1000 V AC	20	20	12	
	[KA]	1150 V AC	12	12		
	[KA]	1000 V DC 4 poles in series	40	40	40	

Switch-disconnectors

			T4D	T5D	T6D	T7D
Ith	[A]		250/320	400/630	630/800/1000	1000/1250/1600
Ie	[A]		250/320	400/630	630/800/1000	1000/1250/1600
Poles	[Nr]		3/4	3/4	3/4	3/4
Ue	[V]	(AC) 50 - 60 Hz	690	690	690	690
	[V]	(DC)	750	750	750	750
Icm	[kA]		5.3	11	30	52.2
Icw	[kA]		3.6	6	15	20

Construction characteristics

Kilde:
ABB Technical Catalogue 2017.06 SACE Tmax XT

		XT1					XT2					XT3		XT4				
Size[22.1]	[A]	160					160					250		160 / 250				
Poles	[No.]	3, 4					3, 4					3, 4		3, 4				
Rated service voltage, **Ue**[22.4] (AC) 50-60Hz	[V]	690					690					690		690				
(DC)	[V]	500					500					500		500(6)				
Rated insulation voltage, **Ui**[22.5]	[V]	800					1000					800		1000				
Rated impulse withstand voltage, **Uimp**[22.6]	[kV]	8					8					8		8				
Versions		Fixed, Plug-in(8)					Fixed, Withdrawable, Plug-in					Fixed, Plug-in		Fixed, Withdrawable, Plug-in				
Breaking capacities according to IEC 60947-2		B	C	N	S	H	N	S	H	L	V	N	S	N	S	H	L	V
Rated ultimate short-circuit breaking capacity, Icu[22.7]																		
Icu @ 220-230-240V 50-60Hz (AC)	[kA]	25	40	65	85	100	65	85	100	150	200	50	85	65	85	100	150	200
Icu @ 380V 50-60Hz (AC)	[kA]	18	25	36	50	70	36	50	70	120	150	36	50	36	50	70	120	150
Icu @ 415V 50-60Hz (AC)	[kA]	18	25	36	50	70	36	50	70	120	150	36	50	36	50	70	120	150
Icu @ 440V 50-60Hz (AC)	[kA]	15	25	36	50	65	36	50	65	100	150	25	40	36	50	65	100	150
Icu @ 500V 50-60Hz (AC)	[kA]	8	18	30	36	50	30	36	50	80	100	20	30	30	36	50	80	70
Icu @ 525V 50-60Hz (AC)	[kA]	6	8	22	35	35	20	25	30	36	50	13	20	20	25	45	50	50
Icu @ 690V 50-60Hz (AC)	[kA]	3	4	6	8	10	10	12	15	18	20	5	6	10	12	15	20	25/100(7)
Icu @ 250V (DC) 2 poles in series	[kA]	18	25	36	50	70	36	50	70	85	100	36	50	36	50	70	85	100
Icu @ 500V (DC) 2 poles in series	[kA]	–	–	–	–	–	–	–	–	–	–	–	–	36	50	70	85	100
Icu @ 500V (DC) 3 poles in series(8)	[kA]	18	25	36	50	70	36	50	70	85	100	36	50	36	50	70	85	100
Rated service short-circuit breaking capacity, Ics[22.8]																		
Ics @ 220-230-240V 50-60Hz (AC)	[kA]	100%	100%	75% (50)	75%	75%	100%	100%	100%	100%	100%	75%	50%	100%	100%	100%	100%	100%
Ics @ 380V 50-60Hz (AC)	[kA]	100%	100%	100%	100%	75%	100%	100%	100%	100%	100%	75%	50% (27)	100%	100%	100%	100%	100%
Ics @ 415V 50-60Hz (AC)	[kA]	100%	100%	100%	75%	50% (37.5)	100%	100%	100%	100%	100%	75%	50% (27)	100%	100%	100%	100%	100%
Ics @ 440V 50-60Hz (AC)	[kA]	75%	50%	50%	50%	50%	100%	100%	100%	100%	100%	75%	50%	100%	100%	100%	100%	100%
Ics @ 500V 50-60Hz (AC)	[kA]	100%	50%	50%	50%	50%	100%	100%	100%	100%	100%	75%	50%	100%	100%	100%	100%	100%
Ics @ 525V 50-60Hz (AC)	[kA]	100%	100%	50%	50%	50%	100%	100%	100%	100%	100%	75%	50%	100%	100%	100%	100%	100%
Ics @ 690V 50-60Hz (AC)	[kA]	100%	100%	75% (0)	50% (0)	50%	100%	100%	100%	75% (15)	75%	75%	50%	100%	100%	100%	100%	75% (20/100%)(7)
Ics @ 250V (DC) 2 poles in series	[kA]	100%	100%	100%	100%	75%	100%	100%	100%	100%	100%	100%	75%	100%	100%	100%	100%	100%
Ics @ 500V (DC) 2 poles in series	[kA]	–	–	–	–	–	–	–	–	–	–	–	–	100%	100%	100%	100%	100%
Ics @ 500V (DC) 3 poles in series(8)	[kA]	100%	100%	100%	100%	75%	100%	100%	100%	100%	100%	100%	75%	100%	100%	100%	100%	100%
Rated short-circuit making capacity, Icm[22.18]																		
Icm @ 220-230-240V 50-60Hz (AC)	[kA]	52.5	84	143	187	220	143	187	220	330	440	105	187	143	187	220	330	440
Icm @ 380V 50-60Hz (AC)	[kA]	36	52.5	75.6	105	154	75.6	105	154	264	330	75.6	105	75.6	105	154	264	330
Icm @ 415V 50-60Hz (AC)	[kA]	36	52.5	75.6	105	154	75.6	105	154	264	330	75.6	105	75.6	105	154	264	330
Icm @ 440V 50-60Hz (AC)	[kA]	30	52.5	75.6	105	143	75.6	105	143	220	330	52.5	84	75.6	105	143	220	330
Icm @ 500V 50-60Hz (AC)	[kA]	13.6	36	63	75.6	105	63	75.6	105	132	154	40	63	63	75.6	105	132	154
Icm @ 525V 50-60Hz (AC)	[kA]	9.18	13.6	46.2	73.5	73.5	40	52.5	63	75.6	105	26	40	40	52.5	94.5	105	105
Icm @ 690V 50-60Hz (AC)	[kA]	4.25	5.88	9.18	13.6	17	17	24	30	36	40	7.65	13.6	17	24	30	40	52.5
Breaking capacities according to NEMA-AB1																		
@ 240V 50-60Hz (AC)	[kA]	25	40	65	85	100	65	85	100	150	200	50	85	65	85	100	150	200
@ 480V 50-60Hz (AC)	[kA]	8	18	30	36	65	30	36	65	100	150	25	35	30	36	65	100	150
Utilisation Category (IEC 60947-2)		A					A					A		A				
Reference Standard		IEC 60947-2					IEC 60947-2					IEC 60947-2		IEC 60947-2				
Isolation behaviour		✓					✓					✓		✓				
Mounted on DIN rail		DIN EN 50022					DIN EN 50022					DIN EN 50022		DIN EN 50022				
Mechanical life[22.14]	[No. Operations]	25000					25000					25000		25000				
	[No. Hourly operations]	240					240					240		240				
Electrical life @ 415 V (AC)[22.15]	[No. Operations]	8000					8000					8000		8000				
	[No. Hourly operations]	120					120					120		120				
Dimensions - Fixed (Width x Depth x Height) 3 poles	[mm]	76.2 x 70 x 130					90 x 82.5 x 130					105 x 70 x 150		105 x 82.5 x 160				
4 poles	[mm]	101.6 x 70 x 130					120 x 82.5 x 130					140 x 70 x 150		140 x 82.5 x 160				
Total opening time																		
Circuit-breaker with shunt opening release	[ms]	15					15					15		15				
Circuit-breaker with undervoltage release	[ms]	15					15					15		15				
Trip units for power distribution																		
TMD/TMA							■							■				
TMD/TMF		■										■						
Ekip LS/I							■							■				
Ekip I							■							■				
Ekip LSI							■							■				
Ekip LSIG							■							■				
Ekip E														■				
Trip units for motor protection																		
MF/MA		■					■					■		■				
Ekip M-I							■											
Ekip M-LIU							▲							▲				
Ekip M-LRIU							▲							▲				
Trip units for generator protection																		
TMG							■					■						
Ekip G-LS/I							▲							▲				
Trip units for oversized Neutral Protection																		
Ekip N-LS/I							▲							▲				
Interchangeable protection trip units							✓							✓				
Weight Fixed 3/4 poles	[kg]	1.1 / 1.4					1.2 / 1.6					1.7 / 2.1		2.5 / 3.5				
Plug-in (EF terminals) 3/4 poles	[kg]	2.21 / 2.82					2.54 / 3.27					3.24 / 4.1		4.19 / 5.52				
Withdrawable (EF terminals) 3/4 poles	[kg]						3.32 / 4.04							5 / 6.76				

(1) Icu=100kA and Ics=100%Icu @690V only for XT4 160. Please ask ABB SACE about availability
(2) XT1 plug-in in max=125A
(3) XT1 500V DC 4 poles in series
(4) XT4 750V DC please ask ABB SACE for availability
■ Complete circuit-breaker
▲ Loose trip unit