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Circuit Breakers

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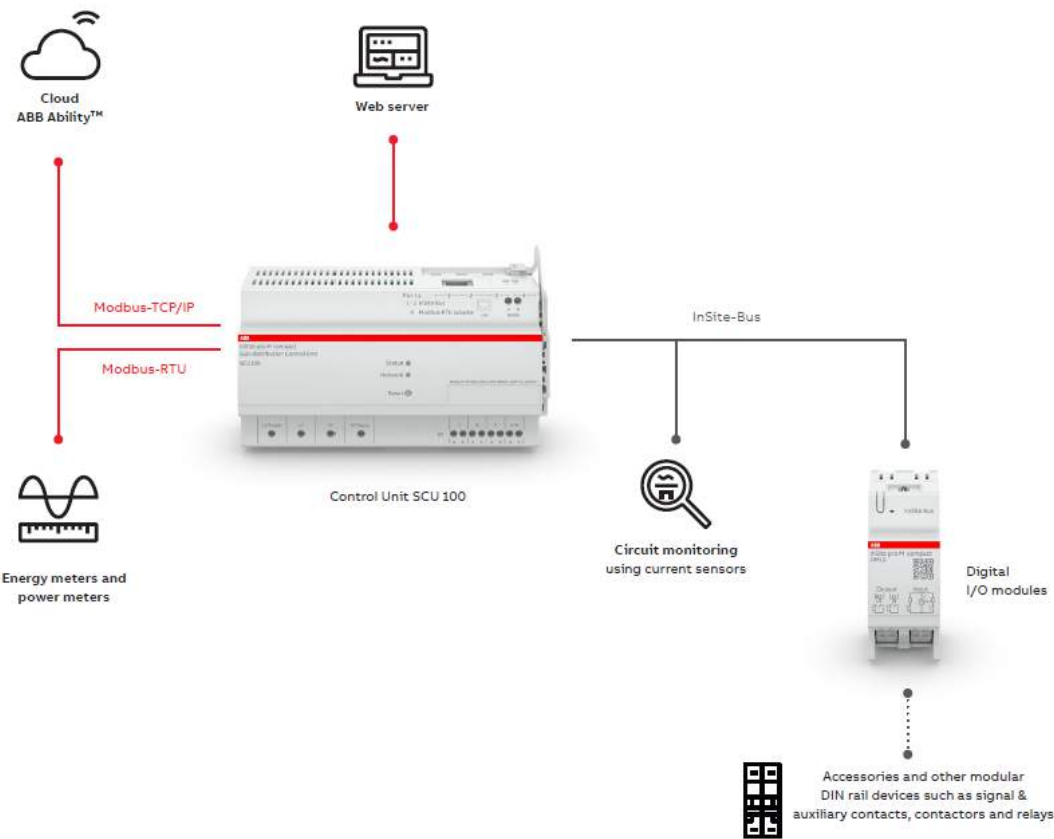
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Energy Efficiency

2.4 Insite SCU100 Circuit Monitoring System

2



CMS-120CA

Rating	Type	Description	Order Code
Open-core sensors 18 mm for cable tie mounting (universal use)			
80A	CMS-120CA		2CCA880220R0001
40A	CMS-121CA		2CCA880221R0001
20A	CMS-122CA		2CCA880222R0001

CMS-102CA

Rating	Type	Description	Order Code
Solid-core sensors 18 mm for cable tie mounting (universally usable)			
80A	CMS-100CA		2CCA880107R0001
40A	CMS-101CA		2CCA880108R0001
20A	CMS-102CA		2CCA880109R0001
Solid-core sensors 25 mm for cable tie mounting (universal use)			
160A	CMS-200CA		2CCA880117R0001
80A	CMS-201CA		2CCA880118R0001
20A	CMS-202CA		2CCA880119R0001

Rating	Type	Description	Order Code
Open-core sensors 18 mm for cable tie mounting (universal use)			
96 sensors	SCU100 Control Unit	SCU100- Control Unit Energy Monitor 96 sensors	2CCG000242R0001
	DM10 Digital Module 2xIN_2xOUT	DM10- Digital Module 2xInputs & 2xOutputs	2CCG000247R0001
	DM11 Digital Module 4xIN	DM11 - Digital Module 4 x Inputs	2CCG000245R0001
5m	INS105 Flatcable - 4C*28AWG	INS105 - 5m Flat Bus Cable	2CCG000243R0001
	INS135 Connector set	INS135- Connector Set (35pcs)	2CCG000244R0001

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2

This image shows a full page of blank graph paper. The grid consists of small, equal-sized squares formed by thin gray lines. There are 20 columns and 20 rows of squares, creating a total area of 400 square units. The grid covers the entire page except for a narrow white margin at the top.

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SECTION 3

Circuit Breakers**Moulded Case Circuit Breakers & Air Circuit Breakers****ABB Ability**

Ekip Up Products	3.1
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Tmax XT Moulded Case Circuit Breakers for Power Distribution

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Tmax T Moulded Case Circuit Breakers for Power Distribution

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Tmax T Moulded Case Circuit Breakers for Motor Protection

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Tmax T Moulded Case Circuit Breakers for Power Distribution- 1000V

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Automatic Circuit Breakers

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Overview

New outlines for Energy and Asset management

Through a compelling web app interface, ABB Ability™ Electrical Distribution Control System assists anytime and anywhere via smartphone, tablet or personal computer so the user can:

Monitor

Discover plant performance, supervise the electrical system and allocate costs.

Optimize

Schedule and analyze automatic reports, improve the use of assets and take the right business decision.

Predict

Supervise the system health conditions and predict next maintenance actions.

Control

Set up alerts and notify key personnel, and remotely implement an effective power management strategy to achieve energy savings in a simple way.

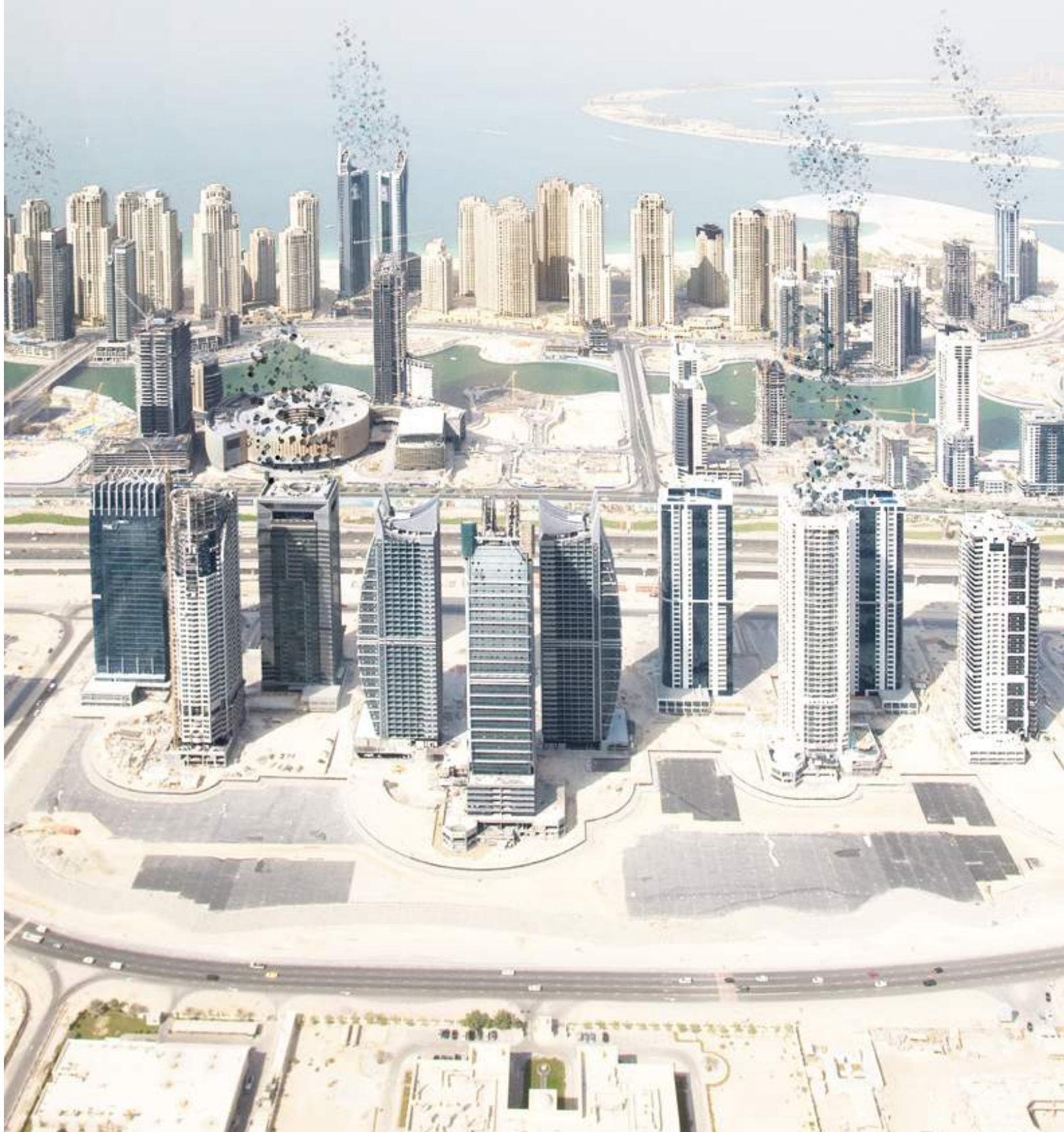
ABB Ability™ Electrical Distribution Control System also provides access on a multi-site level - monitoring and comparing the performances of different facilities at the same time.

In addition, it allows profiling of the users' experience according to the level of access they require.

According to the customer needs and application, the user can choose between two configurations to connect the system to ABB Ability™ Electrical Distribution Control System: embedded or external.

The first, just a cartridge-type module, the innovative Ekip Com Hub, has to be provided to Emax 2 circuit breaker, Ekip UP and TruONE™.

The second, the Ekip E-Hub module has to be mounted on DIN-rail.



Architecture

Truly plug & play

3

Embedded solution with Ekip Com Hub

Emax 2, Ekip UP and TruONE equipped with the new Ekip Com Hub establishes the cloud connection for the whole switchboard.

This dedicated cartridge-type communication module just needs to be inserted into the terminal box and connected to the internet.

External solution with Ekip E-Hub

The Ekip E-Hub module can be mounted on DIN rail to collect data throughout the system. Moreover, it is possible to connect sensors for

environmental parameters (temperature, water, gas) via both analog and digital I/O. Modules for Wi-Fi or GPRS connection are provided as optional features.

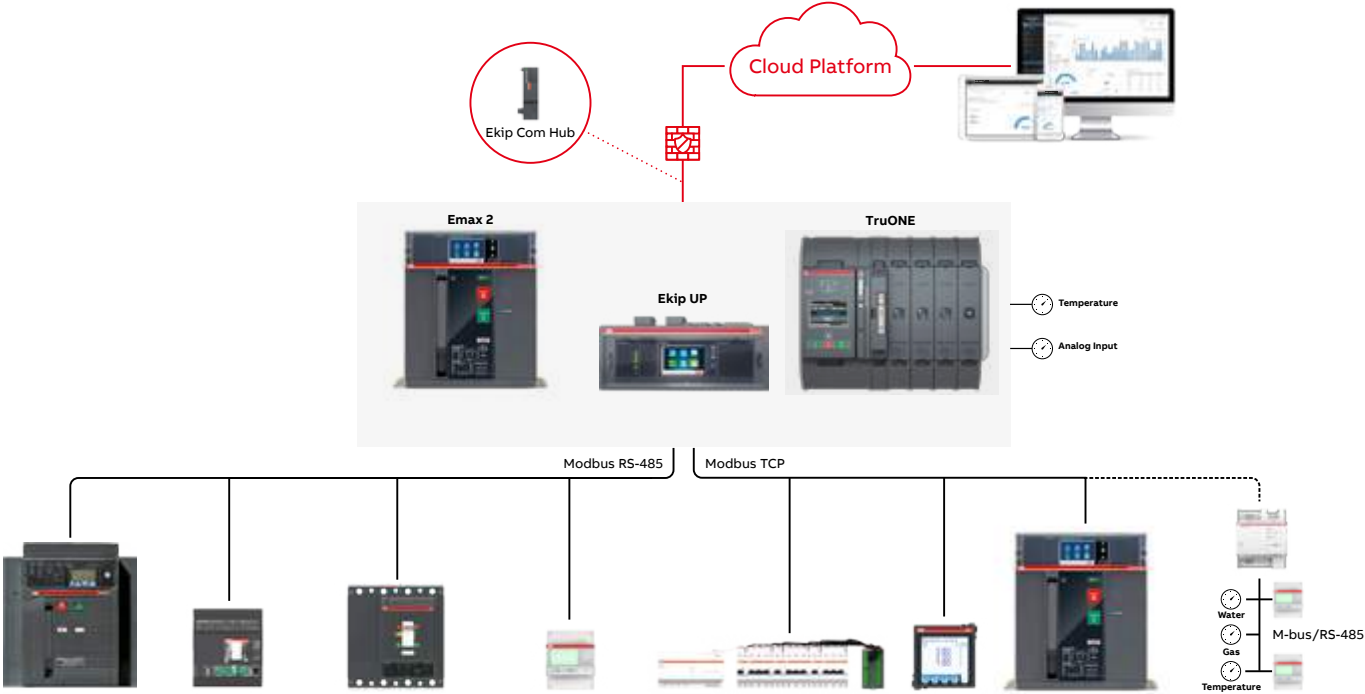
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ABB showcases a further evolution in the low-voltage distribution business, setting a new benchmark in terms of simplicity and performance.

ABB Ability™ Electrical Distribution Control System enables the collection of relevant information from the ABB devices installed in the low-voltage power distribution system.

These devices can be connected, plug & play, to the cloud-computing platform by sharing data either with Emax 2 (equipped with Ekip Com Hub) or with Ekip E-Hub via Modbus RS-485, Modbus TCP and Ekip Link.

Family	Device	
Low voltage MCCB	Tmax XT	
	Tmax T	
Low voltage ACB	New Emax	
	Emax 2	
Digital units	Ekip UP	
Low voltage switches and fusegear	TruONE ATS	
	Slimline XR ITS 2.1	
Digital inputs interface	Ekip Signalling MODBUS TCP	
Sub-Metering	EQ Meters	
Power meters	M2M	
Branch monitoring	CMS700	
Medium voltage relays	REF 542 Plus	
And many others to come...		



INFORMATION											COMMUNICATION
	State	Current	Voltages	Power	Energy	Power factor	Power quality	Maintenance & Diagnostics	Load management	Analog or pulse/ digital inputs	Protocol
	•	•	•	•	•	•	•	•	•	•	Modbus RS485, Modbus TCP, Ekip Com Hub
	•	•	•	•	•	•		•			Modbus RS485
	•	•	•	•	•	•	•	•			Modbus RS485
	•	•	•	•	•	•	•	•	•	•	Modbus RS485, Modbus TCP, Ekip Com Hub
	•	•	•	•	•	•	•		•	•	Modbus RS485, Modbus TCP, Ekip Com Hub
	•	•	•	•	•	•	•	•		•	Modbus RS485, Modbus TCP, Ekip Com Hub
	•	•	•	•	•	•		•			Modbus RS485
	•									•	Modbus TCP
		•	•	•	•	•					Modbus RS485
		•	•	•	•	•	•				Modbus RS485, Modbus TCP
		•	•	•	•						Modbus TCP
		•	•	•	•	•					Modbus TCP
* Provided the product with dedicated accessories for communication and metering functions ** only with Ekip E-Hub module											

ABB Ability

3.1 Ekip UP Products

3



	Ekip UP Monitor	Ekip UP Protect	Ekip UP Protect +	Ekip UP Control	Ekip UP Control +
Control				●	●
Protection		●	●		●
Metering	●	●	●	●	●

● = standard functions
● = advanced functions



Ekip Up Versions

Type	Order Code
Ekip UP Monitor*	1SDA083359R1
Ekip UP Protect*	1SDA083360R1
Ekip UP Protect +*	1SDA083361R1
Ekip UP Control*	1SDA083362R1
Ekip UP Control +*	1SDA083363R1

Current Sensor- Mandatory

Type	Order Code
CS 100-400A 3P type B*	1SDA083364R1
CS 100-400A 4P type B*	1SDA083365R1
CS 400-1600A 3P type B*	1SDA083366R1
CS 400-1600A 4P type B*	1SDA083367R1
CS 100-2000A 3P + COPPER type A*	1SDA083368R1
CS 100-2000A 4P + COPPER type A*	1SDA083369R1
CS 2000-4000A 3P + COPPER type A*	1SDA083370R1
CS 2000-4000A 4P + COPPER type A*	1SDA083371R1
Open CS 4000 A 3P type C I20*	1SDA083372R1
Open CS 4000 A 4P type C I20*	1SDA083373R1



ABB Ability

3.1 Ekip UP Products



Rating Plug Installed- Mandatory (Free Issue)

Type	Order Code
Rating Plug 100A*	1SDA074258R1
Rating Plug 200A*	1SDA074259R1
Rating Plug 250A*	1SDA074260R1
Rating Plug 400A*	1SDA074261R1
Rating Plug 630A*	1SDA074262R1
Rating Plug 800A*	1SDA074263R1
Rating Plug 1000A*	1SDA074264R1
Rating Plug 1250A*	1SDA074265R1
Rating Plug 1600A*	1SDA074266R1
Rating Plug 2000A*	1SDA074267R1
Rating Plug 2500A*	1SDA074268R1
Rating Plug 3200A*	1SDA074269R1
Rating Plug 4000A*	1SDA074270R1
Rating Plug RC 100A*	1SDA074288R1
Rating Plug RC 200A*	1SDA074289R1
Rating Plug RC 250A*	1SDA074290R1
Rating Plug RC 400A*	1SDA074291R1
Rating Plug RC 630A*	1SDA074292R1
Rating Plug RC 800A*	1SDA074293R1
Rating Plug RC 1250A*	1SDA074294R1
Rating Plug RC 2000A*	1SDA074295R1
Rating Plug RC 3200A*	1SDA074296R1
Rating Plug RC 4000A*	1SDA074297R1

Note: Code is required to complete Ekip Up Unit

Power Supply- Mandatory (Only 24V on Ekip Up)

Type	Order Code
Ekip Supply 24-48V DC*	1SDA074173R1

Ekip Com Hub- Mandatory (Cloud Connectivity Device for Ekip Up)

Type	Order Code
Ekip Com Hub*	1SDA082894R1



Commissioning Units- Optional

Type	Order Code
Ekip TT - Trip Test unit*	1SDA066988R1
Ekip T&P - Programming and Test unit*	1SDA066989R1

Cartridge Connectivity modules- Optional

Type	Order Code
Ekip Com Modbus RS-485*	1SDA074150R1
Ekip Com Modbus TCP	1SDA074151R1
Ekip Com Profibus	1SDA074152R1
Ekip Com Profinet*	1SDA074153R1
Ekip Com DeviceNet™*	1SDA074154R1
Ekip Com EtherNet/IP™*	1SDA074155R1
Ekip Com IEC61850*	1SDA074156R1
Ekip Com R Modbus RS-485*	1SDA074157R1
Ekip Com R Modbus TCP*	1SDA074158R1
Ekip Com R Profibus*	1SDA074159R1
Ekip Com R Profinet*	1SDA074160R1
Ekip Com R DeviceNet™*	1SDA074161R1
Ekip Com R EtherNet/IP™*	1SDA074162R1

Note: Ekip Com Hub and other supporting modules can be used on a standard ACB as per the Ekip UP communication architecture.

Moulded Case Circuit Breakers for Power Distribution

3.2 Summary Power Distribution Tmax XT: XT1-XT7

3



Size		XT1				
Rated uninterrupted current	[A]	160				
Poles	[No.]	3, 4				
Rated service voltage, Ue	(AC) 50-60Hz [V]	690				
Rated insulation voltage, Ui	[V]	800				
Rated impulse withstand voltage, Uimp	[kV]	8				
Versions		Fixed, Plug-in ⁽¹⁾				
Max supply voltage on bottom side (F, P, W)	[V]	690				
Breaking capacities according to IEC 60947-2		B	C	N	S	H
Rated ultimate short-circuit breaking capacity, Icu						
Icu @ 220-230-240V 50-60Hz (AC)	[kA]	25	40	65	85	100
Icu @ 380V 50-60Hz (AC)	[kA]	18	25	36	50	70
Icu @ 415V 50-60Hz (AC)	[kA]	18	25	36	50	70
Icu @ 440V 50-60Hz (AC)	[kA]	15	25	36	50	65
Icu @ 500V 50-60Hz (AC)	[kA]	8	18	30	36	50
Icu @ 525V 50-60Hz (AC)	[kA]	6	8	22	35	35
Icu @ 690V 50-60Hz (AC)	[kA]	3	4	6	8	10
Rated service short-circuit breaking capacity, Ics						
Ics @ 220-230-240V 50-60Hz (AC)	[kA]	100%	100%	75% (50)	75%	75%
Ics @ 380V 50-60Hz (AC)	[kA]	100%	100%	100%	100%	75%
Ics @ 415V 50-60Hz (AC)	[kA]	100%	100%	100%	75%	50% (37.5)
Ics @ 440V 50-60Hz (AC)	[kA]	75%	50%	50%	50%	50%
Ics @ 500V 50-60Hz (AC)	[kA]	100%	50%	50%	50%	50%
Ics @ 525V 50-60Hz (AC)	[kA]	100%	100%	50%	50%	50%
Ics @ 690V 50-60Hz (AC)	[kA]	100%	100%	75% (5)	50% (5)	50%
Rated short-circuit making capacity, Icm						
Icm @ 220-230-240V 50-60Hz (AC)	[kA]	52.5	84	143	187	220
Icm @ 380V 50-60Hz (AC)	[kA]	36	52.5	75.6	110	154
Icm @ 415V 50-60Hz (AC)	[kA]	36	52.5	75.6	110	154
Icm @ 440V 50-60Hz (AC)	[kA]	30	52.5	75.6	110	143
Icm @ 500V 50-60Hz (AC)	[kA]	13.6	36	63	75.6	110
Icm @ 525V 50-60Hz (AC)	[kA]	9	13.6	46.2	73.5	73.5
Icm @ 690V 50-60Hz (AC)	[kA]	4.26	5.88	9	13.6	17
Breaking capacities according to NEMA-AB1						
@ 240V 50-60Hz (AC)	[kA]	25	40	65	85	100
@ 480V 50-60Hz (AC)	[kA]	8	18	30	36	65
Utilization Category (IEC 60947-2)		A				
Icw	[kA]	-				
Reference Standard		IEC 60947-2				
Insulation behaviour		✓				
Mounted on DIN rail		DIN EN 50022				
Mechanical life	[No. Operations]	25,000				
	[No. Hourly operations]	240				
Electrical life @ 415 V (AC)	[No. Operations]	8,000				
	[No. Hourly operations]	120				

(1) XT1 plug-in In max=125A (2) In<32A Icu=25kA/Ics=20kA, with magnetic trip unit only and In≤52A/Icu=Ics=5kA

(3) Ics=100% Icu up to 250 A with EF, ES, Rear and external FC CuAl (2x...) terminal. When any other terminals are used and load >200A Icu=25%



XT2					XT3			XT4				
160					250			160 / 250				
3, 4					3, 4			3, 4				
690					690			690				
1000					800			1000				
8					8			8				
Fixed, Withdrawable, Plug-in					Fixed, Plug-in			Fixed, Withdrawable, Plug-in				
≤ 480					690			≤ 600				
N	S	H	L	V	N	S	N	S	H	L	V	X
65	85	100	150	200	50	85	65	85	100	150	200	200
36	50	70	120	150	36	50	36	50	70	120	150	200
36	50	70	120	150	36	50	36	50	70	120	150	200
36	50	65	100	150	25	40	36	50	65	100	150	200
30	36	50	60	70	20	30	30	36	50	60	85	100
20	25	30	36	50	13	20	20	25	45	50	70	100
10	12	15	18	20	5	6	10	12	15	20	50 ⁽²⁾	100
100%	100%	100%	100%	100%	75%	50%	100%	100%	100%	100%	100%	100%
100%	100%	100%	100%	100%	75%	50% (27)	100%	100%	100%	100%	100%	100%
100%	100%	100%	100%	100%	75%	50% (27)	100%	100%	100%	100%	100%	100%
100%	100%	100%	100%	100%	75%	50%	100%	100%	100%	100%	100%	100%
100%	100%	100%	100%	100%	75%	50%	100%	100%	100%	100%	100%	100%
100%	100%	100%	100%	100%	75%	50%	100%	100%	100%	100%	100%	100%
100%	100%	100%	75% (15)	75%	50% (3)	50%	100%	100%	100%	100%	100% ⁽³⁾	100% ⁽³⁾
143	187	220	330	440	110	187	143	187	220	330	440	440
75.6	110	154	264	330	75.6	110	75.6	110	154	264	330	440
75.6	110	154	264	330	75.6	110	75.6	110	154	264	330	440
75.6	110	143	220	330	52.5	84	75.6	110	143	220	330	440
63	75.6	110	132	154	40	63	63	75.6	110	132	187	220
40	52.5	63	75.6	110	26	40	40	52.5	94.5	110	154	220
17	24	30	36	40	7.5	9	17	24	30	40	110	220
65	85	100	150	200	50	85	65	85	100	150	200	200
30	36	65	100	150	25	35	30	36	65	100	150	100
A					A			A				
-					-			-				
IEC 60947-2					IEC 60947-2			IEC 60947-2				
✓					✓			✓				
DIN EN 50022					DIN EN 50022			DIN EN 50022				
25,000					25,000			25,000				
240					240			240				
8,000					8,000			8,000			10,000	
120					120			120				

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Moulded Case Circuit Breakers for Power Distribution

3.2 Summary Power Distribution Tmax XT: XT1-XT7

3



Size		XT5					
Rated uninterrupted current	[A]	400 / 630					
Poles	[No.]	3. 4					
Rated service voltage. Ue	(AC) 50-60Hz [V]	690					
Rated insulation voltage. Ui	[V]	1000					
Rated impulse withstand voltage. Uimp	[kV]	8					
Versions		Fixed. Withdrawable. Plug-in ⁽⁵⁾					
Max supply voltage on bottom side (F. P. W)	[V]	690					
Breaking capacities according to IEC 60947-2		N	S	H	L	V	X
Rated ultimate short-circuit breaking capacity. Icu							
Icu @ 220-230-240V 50-60Hz (AC)	[kA]	70	85	100	150	200	200
Icu @ 380V 50-60Hz (AC)	[kA]	36	50	70	120	200	200
Icu @ 415V 50-60Hz (AC)	[kA]	36	50	70	120	200	200
Icu @ 440V 50-60Hz (AC)	[kA]	36	50	65	100	180	200
Icu @ 500V 50-60Hz (AC)	[kA]	25	30	50	85	150	150
Icu @ 525V 50-60Hz (AC)	[kA]	25	30	50	85	100	120
Icu @ 690V 50-60Hz (AC)	[kA]	20	25	40	70	80	100
Rated service short-circuit breaking capacity. Ics							
Ics @ 220-230-240V 50-60Hz (AC)	[kA]	100%	100%	100%	100%	100%	100%
Ics @ 380V 50-60Hz (AC)	[kA]	100%	100%	100%	100%	100%	100%
Ics @ 415V 50-60Hz (AC)	[kA]	100%	100%	100%	100%	100%	100%
Ics @ 440V 50-60Hz (AC)	[kA]	100%	100%	100%	100%	100%	100%
Ics @ 500V 50-60Hz (AC)	[kA]	100%	100%	100%	100%	100%	100%
Ics @ 525V 50-60Hz (AC)	[kA]	100%	100%	100%	100%	100%	100%
Ics @ 690V 50-60Hz (AC)	[kA]	100%	100%	100% ⁽²⁾	100% ⁽³⁾	100% ⁽³⁾	100% ⁽³⁾
Rated short-circuit making capacity. Icm							
Icm @ 220-230-240V 50-60Hz (AC)	[kA]	154	187	220	330	440	440
Icm @ 380V 50-60Hz (AC)	[kA]	75.6	110	154	264	440	440
Icm @ 415V 50-60Hz (AC)	[kA]	75.6	110	154	264	440	440
Icm @ 440V 50-60Hz (AC)	[kA]	75.6	110	143	220	396	440
Icm @ 500V 50-60Hz (AC)	[kA]	52.5	63	110	187	330	330
Icm @ 525V 50-60Hz (AC)	[kA]	52.5	63	110	187	220	264
Icm @ 690V 50-60Hz (AC)	[kA]	40	52.5	84	154	176	220
Breaking capacities according to NEMA-AB1							
@ 240V 50-60Hz (AC)	[kA]						
@ 480V 50-60Hz (AC)	[kA]						
Utilization Category (IEC 60947-2)		A (up to 630A). B (up to 500A) ⁽⁴⁾					
Icw (1 sec)	[kA]	6					
Reference Standard		IEC 60947-2					
Insulation behaviour		✓					
Mounted on DIN rail		-					
Mechanical life	[No. operations]	20,000					
	[No. hourly operations]	120					
Electrical life @ 415 V (AC)	[No. operations]	7,000 (400A) - 5,000 (630A)					
	[No. hourly operations]	60					

(1) Not suitable for IT distribution systems > 440Vac (2) Ics = 75% In > 500A (3) Ics = 50% In > 500A (4) Category B: only when equipped with an electronic trip unit



3

XT6 ⁽¹⁾			XT7			XT7 M		
800 / 1000 ⁽⁶⁾			800 / 1000 / 1250 / 1600			800 / 1000 / 1250 / 1600		
3. 4			3. 4			3. 4		
690			690			690		
1000			1000			1000		
8			8			8		
Fixed. Withdrawable			Fixed. Withdrawable			Fixed. Withdrawable		
690			690			690		
N	S	H	S	H	L	S	H	L
70	85	100	85	100	200	85	100	200
36	50	70	50	70	120	50	70	120
36	50	70	50	70	120	50	70	120
30	45	50	50	65	100	50	65	100
25	35	50	45	50	85	45	50	85
25	35	50	45	50	65	45	50	65
20	22	25	30	42	50	30	42	50
100%	100%	100%	100%	100%	100%	100%	100%	100%
100%	100%	100%	100%	100%	100%	100%	100%	100%
100%	100%	100%	100%	100%	100%	100%	100%	100%
100%	100%	100%	100%	100%	100%	100%	100%	100%
100%	100%	100%	100%	100%	100%	100%	100%	100%
100%	100%	100%	100%	100%	100%	100%	100%	100%
154	187	220	187	220	440	187	220	440
75.6	110	154	110	154	264	110	154	264
75.6	110	154	110	154	264	110	154	264
63	94.5	110	110	143	220	110	143	220
52.5	73.5	110	94.5	110	187	94.5	110	187
52.5	73.5	110	94.5	110	143	94.5	110	143
40	46.2	52.5	63	88.2	110	63	88.2	110
A (up to 1000A) - B (800A) ⁽⁴⁾			B			B		
10			20			20		
IEC 60947-2			IEC 60947-2			IEC 60947-2		
✓			✓			✓		
-			-			-		
20,000			10,000			20,000		
120			60			60		
5,000			3,000			3,000		
60			60			60		

(5) Plug-in/Withdrawable: max In 40°C=600A (6) 1000A only for fixed execution with EF. ES. R and FCCuAl terminals. EF terminals are supplied as standard if no other terminals are ordered

Moulded Case Circuit Breakers for Power Distribution

3.3 Power Distribution Tmax XT: XT1-XT7

Function: Protection and control of the circuits against overloads and short-circuit for power distribution.
All Tmax circuit breakers are suitable for current limiting in standard release.

Application: Power distribution for commercial and industrial installations.

XT1 160 TMD – Fixed (F) – 3 poles – Front terminals (F)

Thermomagnetic trip unit – TMD		B	C	N
		Icu @ 415Vac = 18kA	Icu @ 415Vac = 25kA	Icu @ 415Vac = 36kA
In				
TMD	12-16A	1SDA066799R1	1SDA080825R1	1SDA080827R1
TMD	14-20A	1SDA066800R1	1SDA080826R1	1SDA080828R1
TMD	18-25A	1SDA066801R1	1SDA067391R1	1SDA080829R1
TMD	22-32A	1SDA066802R1	1SDA067392R1	1SDA067411R1
TMD	28-40A	1SDA066803R1	1SDA067393R1	1SDA067412R1
TMD	35-50A	1SDA066804R1	1SDA067394R1	1SDA067413R1
TMD	44-63A	1SDA066805R1	1SDA067395R1	1SDA067414R1
TMD	56-80A	1SDA066806R1	1SDA067396R1	1SDA067415R1
TMD	70-100A	1SDA066807R1	1SDA067397R1	1SDA067416R1
TMD	88-125A	1SDA066808R1	1SDA067398R1	1SDA067417R1
TMD	112-160A	1SDA066809R1	1SDA067399R1	1SDA067418R1

XT1 160 TMD – Fixed (F) – 4 poles – Front terminals (F)

Thermomagnetic trip unit – TMD		B	C	N
		Icu @ 415Vac = 18kA	Icu @ 415Vac = 25kA	Icu @ 415Vac = 36kA
In				
TMD*	12-16A	1SDA066810R1	1SDA080840R1	1SDA080842R1
TMD*	14-20A	1SDA066811R1	1SDA080841R1	1SDA080843R1
TMD*	18-25A	1SDA066812R1	1SDA067400R1	1SDA080844R1
TMD	22-32A	1SDA066813R1	1SDA067401R1	1SDA067419R1
TMD*	28-40A	1SDA066814R1	1SDA067402R1	1SDA067420R1
TMD	35-50A	1SDA066815R1	1SDA067403R1	1SDA067421R1
TMD	44-63A	1SDA066816R1	1SDA067404R1	1SDA067422R1
TMD	56-80A	1SDA066817R1	1SDA067405R1	1SDA067423R1
TMD	70-100A	1SDA066818R1	1SDA067406R1	1SDA067424R1
In N=50%*	88-125A	1SDA066819R1	1SDA067407R1	1SDA067425R1
In N=50%	112-160A	1SDA066820R1	1SDA067408R1	1SDA067426R1
In N=100%	88-125A	1SDA066888R1	1SDA067409R1	1SDA067427R1
In N=100%	112-160A	1SDA066821R1	1SDA067410R1	1SDA067428R1

XT1D – Switch-disconnector

Type	Iu	3 Poles	4 Poles
XT1D 160	160A	1SDA068208R1	1SDA068209R1

Note: The above disconnector rating is based on AC22 conditions

XT2 160 TMD/TMA – Fixed (F) – 3 poles – Front terminals (F)

Thermomagnetic trip unit – TMD		N	S	H
		Icu @ 415Vac = 36kA	Icu @ 415Vac = 50kA	Icu @ 415Vac = 70kA
In				
TMD	12-16A	1SDA067010R1	1SDA067550R1	1SDA067594R1
TMD*	14-20A	1SDA067011R1	1SDA067551R1	1SDA067595R1
TMD	18-25A	1SDA067012R1	1SDA067552R1	1SDA067596R1
TMD	22-32A	1SDA067013R1	1SDA067553R1	1SDA067597R1
TMA	28-40A	1SDA067014R1	1SDA067554R1	1SDA067598R1
TMA	35-50A	1SDA067015R1	1SDA067555R1	1SDA067599R1
TMA	44-63A	1SDA067016R1	1SDA067556R1	1SDA067600R1
TMA	56-80A	1SDA067017R1	1SDA067557R1	1SDA067601R1
TMA	70-100A	1SDA067018R1	1SDA067558R1	1SDA067602R1
TMA	88-125A	1SDA067019R1	1SDA067559R1	1SDA067603R1
TMA	112-160A	1SDA067020R1	1SDA067560R1	1SDA067604R1

Moulded Case Circuit Breakers for Power Distribution

3.3 Power Distribution Tmax XT: XT1-XT7



XT2 160 TMD/TMA – Fixed (F) – 4 poles – Front terminals (F)

Thermomagnetic trip unit -TMD		N	S	H
		Icu @ 415Vac = 36kA	Icu @ 415Vac = 50kA	Icu @ 415Vac = 70kA
In				
TMD*	12-16A	1SDA067031R1	1SDA067571R1	1SDA067615R1
TMD*	14-20A	1SDA067032R1	1SDA067572R1	1SDA067616R1
TMD*	18-25A	1SDA067033R1	1SDA067573R1	1SDA067617R1
TMD*	22-32A	1SDA067034R1	1SDA067574R1	1SDA067618R1
TMA	28-40A	1SDA067035R1	1SDA067575R1	1SDA067619R1
TMA*	35-50A	1SDA067036R1	1SDA067576R1	1SDA067620R1
TMA*	44-63A	1SDA067037R1	1SDA067577R1	1SDA067621R1
TMA*	56-80A	1SDA067038R1	1SDA067578R1	1SDA067622R1
TMA*	70-100A	1SDA067039R1	1SDA067579R1	1SDA067623R1
TMA In N=50%*	88-125A	1SDA067040R1	1SDA067580R1	1SDA067624R1
TMA In N=50%*	112-160A	1SDA067041R1	1SDA067581R1	1SDA067625R1
TMA In N=100%*	88-125A	1SDA067042R1	1SDA067582R1	1SDA067626R1
TMA In N=100%*	112-160A	1SDA067043R1	1SDA067583R1	1SDA067627R1



XT2 160 Ekip LS/I – Fixed (F) – 3 poles – Front terminals (F)

Electronic trip unit - Ekip LS/I		N	S	H	V
		Icu @ 415Vac = 36kA	Icu @ 415Vac = 50kA	Icu @ 415Vac = 70kA	Icu @ 415Vac = 150kA
In					
Ekip LS/I*	4-10A	1SDA067054R1	1SDA067800R1	1SDA067857R1	1SDA067971R1
Ekip LS/I*	10-25A	1SDA067055R1	1SDA067801R1	1SDA067858R1	1SDA067972R1
Ekip LS/I	25-63A	1SDA067056R1	1SDA067802R1	1SDA067859R1	1SDA067973R1
Ekip LS/I	40-100A	1SDA067057R1	1SDA067803R1	1SDA067860R1	1SDA067974R1
Ekip LS/I	64-160A	1SDA067058R1	1SDA067804R1	1SDA067861R1	1SDA067975R1



XT2 160 Ekip LS/I – Fixed (F) – 4 poles – Front terminals (F)

Electronic trip unit - Ekip LS/I		N	S	H	V
		Icu @ 415Vac = 36kA	Icu @ 415Vac = 50kA	Icu @ 415Vac = 70kA	Icu @ 415Vac = 150kA
In					
Ekip LS/I*	4-10A	1SDA067090R1	1SDA067833R1	1SDA067890R1	1SDA068004R1
Ekip LS/I*	10-25A	1SDA067091R1	1SDA067834R1	1SDA067891R1	1SDA068005R1
Ekip LS/I*	25-63A	1SDA067092R1	1SDA067835R1	1SDA067892R1	1SDA068006R1
Ekip LS/I*	40-100A	1SDA067093R1	1SDA067836R1	1SDA067893R1	1SDA068007R1
Ekip LS/I	64-160A	1SDA067095R1	1SDA067838R1	1SDA067895R1	1SDA068009R1



XT3 250 TMD – Fixed (F) – 3 poles – Front terminals (F)

Thermomagnetic trip unit – TMD		N	S
		Icu @ 415Vac = 36kA	Icu @ 415Vac = 50kA
In			
TMD	44-63A	1SDA068053R1	1SDA068215R1
TMD*	56-80A	1SDA068054R1	1SDA068216R1
TMD	70-100A	1SDA068055R1	1SDA068217R1
TMD	88-125A	1SDA068056R1	1SDA068218R1
TMD	112-160A	1SDA068057R1	1SDA068219R1
TMD	140-200A	1SDA068058R1	1SDA068220R1
TMD	175-250A	1SDA068059R1	1SDA068221R1



XT3 250 TMD – Fixed (F) – 4 poles – Front terminals (F)

Thermomagnetic trip unit – TMD		N	S
		Icu @ 415Vac = 36kA	Icu @ 415Vac = 50kA
In			
TMD*	44-63A	1SDA068060R1	1SDA068222R1
TMD*	56-80A	1SDA068061R1	1SDA068223R1
TMD*	70-100A	1SDA068062R1	1SDA068224R1
In N=50%*	88-125A	1SDA068063R1	1SDA068225R1
In N=50%*	112-160A	1SDA068064R1	1SDA068226R1
In N=50%*	140-200A	1SDA068065R1	1SDA068227R1
In N=50%	175-250A	1SDA068066R1	1SDA068228R1
In N=100%*	88-125A	1SDA068067R1	1SDA068229R1
In N=100%*	112-160A	1SDA068068R1	1SDA068230R1
In N=100%	140-200A	1SDA068069R1	1SDA068231R1
In N=100%	175-250A	1SDA068070R1	1SDA068232R1

XT3D – Switch-disconnector

Type	Iu	3 Poles	4 Poles
XT3D 250	250A	1SDA068210R1	1SDA068211R1

Note: The above disconnector rating is based on AC22 conditions

E & O.E. Terms & Conditions apply.

Moulded Case Circuit Breakers for Power Distribution

3.3 Power Distribution Tmax XT: XT1-XT7

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XT4 160 TMD/TMA – Fixed (F) – 3 poles – Front terminals (F)

Thermomagnetic trip unit - TMD/TMA		N	S	H
		Icu @ 415Vac = 36kA	Icu @ 415Vac = 50kA	Icu @ 415Vac = 70kA
In				
TMD*	12-16A	1SDA068076R1	1SDA068299R1	1SDA068332R1
TMD*	14-20A	1SDA068080R1	1SDA068300R1	1SDA068333R1
TMD*	18-25A	1SDA068081R1	1SDA068301R1	1SDA068334R1
TMD*	22-32A	1SDA068082R1	1SDA068302R1	1SDA068335R1
TMA*	28-40A	1SDA068083R1	1SDA068303R1	1SDA068336R1
TMA*	35-50A	1SDA068084R1	1SDA068304R1	1SDA068337R1
TMA*	44-63A	1SDA068085R1	1SDA068305R1	1SDA068338R1
TMA*	56-80A	1SDA068086R1	1SDA068306R1	1SDA068339R1
TMA	70-100A	1SDA068087R1	1SDA068307R1	1SDA068340R1
TMA	88-125A	1SDA068088R1	1SDA068308R1	1SDA068341R1
TMA	112-160A	1SDA068089R1	1SDA068309R1	1SDA068342R1



XT4 160 TMD/TMA – Fixed (F) – 4 poles – Front terminals (F)

Thermomagnetic trip unit - TMD/TMA		N	S	H
		Icu @ 415Vac = 36kA	Icu @ 415Vac = 50kA	Icu @ 415Vac = 70kA
In				
TMD*	12-16A	1SDA068093R1	1SDA068313R1	1SDA068346R1
TMD*	14-20A	1SDA068094R1	1SDA068314R1	1SDA068347R1
TMD*	18-25A	1SDA068095R1	1SDA068315R1	1SDA068348R1
TMD*	22-32A	1SDA068096R1	1SDA068316R1	1SDA068349R1
TMA*	28-40A	1SDA068097R1	1SDA068317R1	1SDA068350R1
TMA*	35-50A	1SDA068098R1	1SDA068318R1	1SDA068351R1
TMA*	44-63A	1SDA068099R1	1SDA068319R1	1SDA068352R1
TMA*	56-80A	1SDA068100R1	1SDA068320R1	1SDA068353R1
TMA*	70-100A	1SDA068101R1	1SDA068321R1	1SDA068354R1
TMA In N=50%*	88-125A	1SDA068102R1	1SDA068322R1	1SDA068355R1
TMA In N=50%*	112-160A	1SDA068103R1	1SDA068323R1	1SDA068356R1
TMA In N=100%	88-125A	1SDA068107R1	1SDA068327R1	1SDA068360R1
TMA In N=100%	112-160A	1SDA068108R1	1SDA068328R1	1SDA068361R1



XT4V 160A - Breaking Part - Fault Level 150kA

	Iu	Icu (415 V)	Type	3 Poles	4 Poles
Mandatory Part 1 for XT4V				Code	Code
XT4 Breaking Part*	160A	150kA		1SDA100261R1	1SDA100263R1



XT4V - Trip Unit Part (To be ordered with Breaking Part Above)

Mandatory Part 2 for XT4V		3 Poles	4 Poles
		Code	Code
TMD*	12-16A	1SDA067377R1	1SDA067465R1
TMD*	14-20A	1SDA067378R1	1SDA067468R1
TMD*	18-25A	1SDA067379R1	1SDA067469R1
TMD*	22-32A	1SDA067380R1	1SDA067470R1
TMA*	28-40A	1SDA067381R1	1SDA067471R1
TMA*	35-50A	1SDA067382R1	1SDA067472R1
TMA*	44-63A	1SDA067383R1	1SDA067473R1
TMA*	56-80A	1SDA067384R1	1SDA067474R1
TMA*	70-100A	1SDA067385R1	1SDA067475R1
TMA*	88-125A	1SDA067386R1	
TMA In N=50%*	88-125A		1SDA067476R1
TMA In N=100%*	88-125A		1SDA067481R1
TMA*	112-160A	1SDA067387R1	
TMA In N=50%*	112-160A		1SDA067477R1
TMA In N=100%*	112-160A		1SDA067482R1

Note: For XT4V breakers, Part 1 and Part 2 with applicable trip units need to be ordered

Moulded Case Circuit Breakers for Power Distribution

3.3 Power Distribution Tmax XT: XT1-XT7

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XT4 160 Ekip LS/I – Fixed (F) – 3 poles – Front terminals (F)

Electronic trip unit – Ekip LS/I		N	S	H
		Icu @ 415Vac = 36kA	Icu @ 415Vac = 50kA	Icu @ 415Vac = 70kA
In				
Ekip LS/I*	16-40A	1SDA068122R1	1SDA068471R1	1SDA068511R1
Ekip LS/I*	25-63A	1SDA068123R1	1SDA068472R1	1SDA068512R1
Ekip LS/I	40-100A	1SDA068124R1	1SDA068473R1	1SDA068513R1
Ekip LS/I*	64-160A	1SDA068125R1	1SDA068474R1	1SDA068514R1

XT4 160 Ekip LS/I – Fixed (F) – 4 poles – Front terminals (F)

Electronic trip unit – Ekip LS/I		N	S	H
		Icu @ 415Vac = 36kA	Icu @ 415Vac = 50kA	Icu @ 415Vac = 70kA
In				
Ekip LS/I*	16-40A	1SDA068142R1	1SDA068491R1	1SDA068531R1
Ekip LS/I*	25-63A	1SDA068144R1	1SDA068492R1	1SDA068532R1
Ekip LS/I	40-100A	1SDA068145R1	1SDA068493R1	1SDA068533R1
Ekip LS/I	64-160A	1SDA068146R1	1SDA068494R1	1SDA068534R1

XT4 250 TMD/TMA – Fixed (F) – 3 poles – Front terminals (F)

Thermomagnetic trip unit - TMD/TMA		N	S	H
		Icu @ 415Vac = 36kA	Icu @ 415Vac = 50kA	Icu @ 415Vac = 70kA
In				
TMA	140-200A	1SDA068090R1	1SDA068310R1	1SDA068343R1
TMA	158-225A	1SDA068091R1	1SDA068311R1	1SDA068344R1
TMA	175-250A	1SDA068092R1	1SDA068312R1	1SDA068345R1

XT4 250 TMD/TMA – Fixed (F) – 4 poles – Front terminals (F)

Thermomagnetic trip unit - TMD/TMA		N	S	H
		Icu @ 415Vac = 36kA	Icu @ 415Vac = 50kA	Icu @ 415Vac = 70kA
In				
TMA In	140-200A	1SDA068104R1	1SDA068324R1	1SDA068357R1
N=50%*				
TMA In	158-225A	1SDA068105R1	1SDA068325R1	1SDA068358R1
N=50%*				
TMA In	175-250A	1SDA068106R1	1SDA068326R1	1SDA068359R1
N=50%*				
TMA In	140-200A	1SDA068109R1	1SDA068329R1	1SDA068362R1
N=100%*				
TMA In	158-225A	1SDA068110R1	1SDA068330R1	1SDA068363R1
N=100%*				
TMA In	175-250A	1SDA068111R1	1SDA068331R1	1SDA068364R1
N=100%*				

XT4 250 Ekip LS/I – Fixed (F) – 3 poles – Front terminals (F)

Electronic trip unit – Ekip LS/I		N	S	H
		Icu @ 415Vac = 36kA	Icu @ 415Vac = 50kA	Icu @ 415Vac = 70kA
In				
Ekip LS/I	100-250A	1SDA068126R1	1SDA068475R1	1SDA068515R1

XT4 250 Ekip LS/I – Fixed (F) – 4 poles – Front terminals (F)

Electronic trip unit – Ekip LS/I		N	S	H
		Icu @ 415Vac = 36kA	Icu @ 415Vac = 50kA	Icu @ 415Vac = 70kA
In				
Ekip LS/I*	100-250A	1SDA068147R1	1SDA068495R1	1SDA068535R1

*The above disconnector rating is based on AC22 conditions

Moulded Case Circuit Breakers for Power Distribution

3.3 Power Distribution Tmax XT: XT1-XT7

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XT4V 160A - Breaking Part - Fault Level 150kA

	Iu	Icu (415 V)	Type	3 Poles	4 Poles
Mandatory Part 1 for XT4V				Code	Code
XT4 Breaking Part*	160A	150kA		1SDA100261R1	1SDA100263R1

XT4V - Trip Unit Part (To be ordered with Breaking Part Above)

Mandatory Part 2 for XT4V			3 Poles	4 Poles
			Code	Code
Ekip LS/I*	16-40A		1SDA067498R1	1SDA067518R1
Ekip LS/I*	25-63A		1SDA067499R1	1SDA067519R1
Ekip LS/I*	40-100A		1SDA067500R1	1SDA067520R1
Ekip LS/I*	64-160A		1SDA067501R1	1SDA067521R1

Note: For XT4V breakers, Part 1 and Part 2 with applicable trip units need to be ordered

XT4V 250A - Breaking Part - Fault Level 150kA

	Iu	Icu (415 V)	Type	3 Poles	4 Poles
Mandatory Part 1 for XT4V				Code	Code
XT4 Breaking Part*	250A	150kA		1SDA100262R1	1SDA100264R1

XT4V - Trip Unit Part (To be ordered with Breaking Part Above)

Mandatory Part 2 for XT4V			3 Poles	4 Poles
			Code	Code
TMA*	140-200A			
TMA In N=50%*	140-200A			1SDA067478R1
TMA In N=100%*	140-200A			1SDA067483R1
TMA*	158-225A			
TMA In N=50%*	158-225A			1SDA067479R1
TMA In N=100%*	158-225A			1SDA067484R1
TMA*	175-250A		1SDA067388R1	
TMA In N=50%*	175-250A			1SDA067480R1
TMA In N=100%*	175-250A			1SDA067485R1

Note: For XT4V breakers, Part 1 and Part 2 with applicable trip units need to be ordered

XT4V 250A - Breaking Part - Fault Level 150kA

	Iu	Icu (415 V)	Type	3 Poles	4 Poles
Mandatory Part 1 for XT4V				Code	Code
XT4 Breaking Part*	250A	150kA		1SDA100262R1	1SDA100264R1

XT4V - Trip Unit Part (To be ordered with Breaking Part Above)

Mandatory Part 2 for XT4V			3 Poles	4 Poles
			Code	Code
Ekip LS/I*	100-250A		1SDA067502R1	1SDA067522R1

Note: For XT4V breakers, Part 1 and Part 2 with applicable trip units need to be ordered

XT4 D – Switch-disconnector

Type	Iu	3 Poles	4 Poles
XT4D 250	250A	1SDA068212R1	1SDA068213R1

Note: The above disconnector rating is based on AC22 conditions

Moulded Case Circuit Breakers for Power Distribution

3.3 Power Distribution Tmax XT: XT1-XT7



XT5- Fixed (F) - 3 poles - Front terminals (F)

Thermomagnetic trip unit - TMD		N	S	H
		Icu @ 415Vac = 36kA	Icu @ 415Vac = 50kA	Icu @ 415Vac = 70kA
In				
TMA	224-320A	1SDA100344R1	1SDA100414R1	1SDA100484R1
TMA	280-400A	1SDA100345R1	1SDA100415R1	1SDA100485R1
TMA	350-500A	1SDA100346R1	1SDA100416R1	1SDA100486R1
TMA	440-630A	1SDA100347R1	1SDA100417R1	1SDA100487R1
Electronic trip unit - Ekip DIP		N	S	H
		Icu @ 415Vac = 36kA	Icu @ 415Vac = 50kA	Icu @ 415Vac = 70kA
In				
Ekip LS/I	128-320A	1SDA100353R1	1SDA100423R1	1SDA100489R1
Ekip LS/I	160-400A	1SDA100354R1	1SDA100424R1	1SDA100490R1
Ekip LS/I	252-630A	1SDA100355R1	1SDA100425R1	1SDA100491R1
Ekip LSI	128-320A	1SDA100357R1	1SDA100427R1	1SDA100493R1
Ekip LSI	160-400A	1SDA100358R1	1SDA100428R1	1SDA100494R1
Ekip LSI	252-630A	1SDA100359R1	1SDA100429R1	1SDA100495R1

XT5 - Fixed (F) - 4 poles - Front terminals (F)

Thermomagnetic trip unit - TMA		N	S	H
		Icu @ 415Vac = 36kA	Icu @ 415Vac = 50kA	Icu @ 415Vac = 70kA
In				
In N=100%	224-320A	1SDA100383R1	1SDA100453R1	1SDA100519R1
In N=100%	280-400A	1SDA100385R1	1SDA100455R1	1SDA100521R1
In N=100%	350-500A	1SDA100387R1	1SDA100457R1	1SDA100523R1
In N=100%	440-630A	1SDA100389R1	1SDA100459R1	1SDA100525R1
Electronic trip unit - Ekip DIP		N	S	H
		Icu @ 415Vac = 36kA	Icu @ 415Vac = 50kA	Icu @ 415Vac = 70kA
In				
Ekip LS/I	128-320A	1SDA100395R1	1SDA100465R1	1SDA100527R1
Ekip LS/I	160-400A	1SDA100396R1	1SDA100466R1	1SDA100528R1
Ekip LS/I	252-630A	1SDA100397R1	1SDA100467R1	1SDA100529R1
Ekip LSI	128-320A	1SDA100399R1	1SDA100469R1	1SDA100531R1
Ekip LSI	160-400A	1SDA100400R1	1SDA100470R1	1SDA100532R1
Ekip LSI	252-630A	1SDA100401R1	1SDA100471R1	1SDA100533R1

Moulded Case Circuit Breakers for Power Distribution

3.3 Power Distribution Tmax XT: XT1-XT7

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XT5N Ekip Touch -Front terminals (F)

XT5N 3P & 4P- Breaking Part - Fault Level 36kA

Mandatory Part 2 for XT5N	Iu	Icu	3 Poles	4 Poles
		415V	Code	Code
XT5N 400 BREAKING PART 3p F F	400A	36kA	1SDA100550R1	1SDA100552R1
XT5N 630 BREAKING PART 3p F F	630A	36kA	1SDA100551R1	1SDA100553R1

XT5 400/630 Touch Trip Unit (To be ordered with Breaking Part Above)

Mandatory Part 2 for XT5N	Iu	3 Poles	4 Poles
		Code	Code
Ekip Touch LSI In=320 XT5	128-320A	1SDA100591R1	1SDA100672R1
Ekip Touch LSI In=400 XT5	160-400A	1SDA100592R1	1SDA100673R1
Ekip Touch LSI In=630 XT5	252-630A	1SDA100593R1	1SDA100674R1



XT5D - Switch-disconnector - Fixed (F)

Type	Ie	3 Poles	4 Poles
XT5D 400	400A	1SDA100546R1	1SDA100548R1
XT5D 630	630A	1SDA100547R1	1SDA100549R1

* The above disconnector rating is based on AC22 conditions



XT6 Fixed - 3 poles - Front terminals (F)

Thermomagnetic trip unit -TMA	In	N	S	H
		Icu @ 415Vac = 36kA	Icu @ 415Vac = 50kA	Icu @ 415Vac = 70kA
TMA	252-630A	1SDA107561R1	1SDA107574R1	1SDA107587R1
TMA	560-800A	1SDA100718R1	1SDA100740R1	1SDA100762R1
Electronic trip unit -Ekip DIP	In	N	S	H
		Icu @ 415Vac = 36kA	Icu @ 415Vac = 50kA	Icu @ 415Vac = 70kA
Ekip LS/I	252-630A	1SDA107562R1	1SDA107575R1	1SDA107588R1
Ekip LS/I	320-800A	1SDA100719R1	1SDA100741R1	1SDA100763R1
Ekip LS/I	400-1000A	1SDA100720R1	1SDA100742R1	1SDA100764R1
Ekip LSI	252-630A	1SDA107563R1	1SDA107576R1	1SDA107589R1
Ekip LSI	320-800A	1SDA100721R1	1SDA100743R1	1SDA100765R1
Ekip LSI	400-1000A	1SDA100722R1	1SDA100744R1	1SDA100766R1

Note: 1000A only with EF, ES, R and FCCuAl terminals. EF terminals are supplied as standard if no other terminals are ordered



Moulded Case Circuit Breakers for Power Distribution

3.3 Power Distribution Tmax XT: XT1-XT7



XT6 Fixed - 4 poles - Front terminals (F)

Thermomagnetic trip unit -TMA		N	S	H
		Icu @ 415Vac = 36kA	Icu @ 415Vac = 50kA	Icu @ 415Vac = 70kA
In				
InN=100%	252-630A	1SDA107569R1	1SDA107582R1	1SDA107595R1
InN=100%	560-800A	1SDA100731R1	1SDA100753R1	1SDA100775R1
Electronic trip unit -Ekip DIP		N	S	H
		Icu @ 415Vac = 36kA	Icu @ 415Vac = 50kA	Icu @ 415Vac = 70kA
In				
Ekip LS/I	252-630A	1SDA107570R1	1SDA107583R1	1SDA107596R1
Ekip LS/I	320-800A	1SDA100732R1	1SDA100754R1	1SDA100776R1
Ekip LS/I	400-1000A	1SDA100733R1	1SDA100755R1	1SDA100777R1
Ekip LSI	252-630A	1SDA107571R1	1SDA107584R1	1SDA107597R1
Ekip LSI	320-800A	1SDA100734R1	1SDA100756R1	1SDA100778R1
Ekip LSI	400-1000A	1SDA100735R1	1SDA100757R1	1SDA100779R1

Note: 1000A only with EF, ES, R and FCCuAl terminals. EF terminals are supplied as standard if no other terminals are ordered

XT6D – Switch-disconnector - Fixed (F)

Type	Ie	3 Poles	4 Poles
XT6D 630	630A	1SDA107600R1	1SDA107601R1
XT6D 800	800A	1SDA100784R1	1SDA100786R1
XT6D 1000	1000A	1SDA100785R1	1SDA100787R1

* The above disconnector rating is based on AC22 conditions

Note: 1000A only with EF, ES, R and FCCuAl terminals. EF terminals are supplied as standard if no other terminals are ordered

XT7 1600 – Fixed (F) – 3 Poles - Front terminals (F)

Electronic trip unit -Ekip DIP		S	H
		Icu @ 415Vac = 50kA	Icu @ 415Vac = 70kA
In			
Ekip LS/I	320-800A	1SDA100826R1	1SDA100890R1
Ekip LS/I	400-1000A	1SDA100827R1	1SDA100891R1
Ekip LS/I	500-1250A	1SDA100828R1	1SDA100892R1
Ekip LS/I	640-1600A	1SDA100829R1	1SDA100893R1
Ekip LSI	320-800A	1SDA100830R1	1SDA100894R1
Ekip LSI	400-1000A	1SDA100831R1	1SDA100895R1
Ekip LSI	500-1250A	1SDA100832R1	1SDA100896R1
Ekip LSI	640-1600A	1SDA100833R1	1SDA100897R1

Moulded Case Circuit Breakers for Power Distribution

3.3 Power Distribution Tmax XT: XT1-XT7

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XT7 1600 – Fixed (F) – 3 Poles - Front terminals (F)

Electronic Touch trip unit		S	H
		Icu @ 415Vac = 50kA	Icu @ 415Vac = 70kA
In			
Ekip Touch LSI	320-800A	1SDA100838R1	1SDA100902R1
Ekip Touch LSI	400-1000A	1SDA100839R1	1SDA100903R1
Ekip Touch LSI	500-1250A	1SDA100840R1	1SDA100904R1
Ekip Touch LSI	640-1600A	1SDA100841R1	1SDA100905R1



XT7 1600 – Fixed (F) – 4 Poles - Front terminals (F)

Electronic trip unit -Ekip DIP		S	H
		Icu @ 415Vac = 50kA	Icu @ 415Vac = 70kA
In			
Ekip LS/I	320-800A	1SDA101114R1	1SDA101170R1
Ekip LS/I	400-1000A	1SDA101115R1	1SDA101171R1
Ekip LS/I	500-1250A	1SDA101116R1	1SDA101172R1
Ekip LS/I	640-1600A	1SDA101117R1	1SDA101173R1
Ekip LSI	320-800A	1SDA101118R1	1SDA101174R1
Ekip LSI	400-1000A	1SDA101119R1	1SDA101175R1
Ekip LSI	500-1250A	1SDA101120R1	1SDA101176R1
Ekip LSI	640-1600A	1SDA101121R1	1SDA101177R1



XT7 1600 – Fixed (F) – 4 Poles - Front terminals (F)

Electronic Touch trip unit		S	H
		Icu @ 415Vac = 50kA	Icu @ 415Vac = 70kA
In			
Ekip Touch LSI	320-800A	1SDA101126R1	1SDA101182R1
Ekip Touch LSI	400-1000A	1SDA101127R1	1SDA101183R1
Ekip Touch LSI	500-1250A	1SDA101128R1	1SDA101184R1
Ekip Touch LSI	640-1600A	1SDA101129R1	1SDA101185R1



XT7 – Switch-disconnector - Fixed (F)

Type	Ie	3 Poles	4 Poles
XT7D 1000	1000A	1SDA101906R1	1SDA101909R1
XT7D 1250	1250A	1SDA101907R1	1SDA101910R1
XT7D 1600	1600A	1SDA101908R1	1SDA101911R1

* The above disconnector rating is based on AC22 conditions



XT7M 1600 – Fixed (F) – 3 Poles - Front terminals (F)

Electronic trip unit -Ekip DIP		S	H
		Icu @ 415Vac = 50kA	Icu @ 415Vac = 70kA
In			
Ekip LS/I	320-800A	1SDA101366R1	1SDA101430R1
Ekip LS/I	400-1000A	1SDA101367R1	1SDA101431R1
Ekip LS/I	500-1250A	1SDA101368R1	1SDA101432R1
Ekip LS/I	640-1600A	1SDA101369R1	1SDA101433R1
Ekip LSI	320-800A	1SDA101370R1	1SDA101434R1
Ekip LSI	400-1000A	1SDA101371R1	1SDA101435R1
Ekip LSI	500-1250A	1SDA101372R1	1SDA101436R1
Ekip LSI	640-1600A	1SDA101373R1	1SDA101437R1

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Moulded Case Circuit Breakers for Power Distribution

3.3 Power Distribution Tmax XT: XT1-XT7

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XT7M 1600 – Fixed (F) – 3 Poles - Front terminals (F)

Electronic trip unit		S	H
		Icu @ 415Vac = 50kA	Icu @ 415Vac = 70kA
In			
Ekip Touch LSI	320-800A	1SDA101378R1	1SDA101442R1
Ekip Touch LSI	400-1000A	1SDA101379R1	1SDA101443R1
Ekip Touch LSI	500-1250A	1SDA101380R1	1SDA101444R1
Ekip Touch LSI	640-1600A	1SDA101381R1	1SDA101445R1



XT7M 1600 – Fixed (F) – 4 Poles - Front terminals (F)

Electronic trip unit		S	H
		Icu @ 415Vac = 50kA	Icu @ 415Vac = 70kA
In			
Ekip LS/I	320-800A	1SDA101654R1	1SDA101710R1
Ekip LS/I	400-1000A	1SDA101655R1	1SDA101711R1
Ekip LS/I	500-1250A	1SDA101656R1	1SDA101712R1
Ekip LS/I	640-1600A	1SDA101657R1	1SDA101713R1
Ekip LSI	320-800A	1SDA101658R1	1SDA101714R1
Ekip LSI	400-1000A	1SDA101659R1	1SDA101715R1
Ekip LSI	500-1250A	1SDA101660R1	1SDA101716R1
Ekip LSI	640-1600A	1SDA101661R1	1SDA101717R1



XT7M 1600 – Fixed (F) – 4 Poles - Front terminals (F)

Electronic trip unit		S	H
		Icu @ 415Vac = 50kA	Icu @ 415Vac = 70kA
In			
Ekip Touch LSI	320-800A	1SDA101666R1	1SDA101722R1
Ekip Touch LSI	400-1000A	1SDA101667R1	1SDA101723R1
Ekip Touch LSI	500-1250A	1SDA101668R1	1SDA101724R1
Ekip Touch LSI	640-1600A	1SDA101669R1	1SDA101725R1



XT7M – Switch-disconnector - Fixed (F)

Type	Ie	3 Poles	4 Poles
XT7D 1000	1000A	1SDA101912R1	1SDA101915R1
XT7D 1250	1250A	1SDA101913R1	1SDA101916R1
XT7D 1600	1600A	1SDA101914R1	1SDA101917R1

* The above disconnector rating is based on AC22 conditions

Moulded Case Circuit Breakers for Power Distribution

3.4 TMAX XT: XT1-XT7 Accessories

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Fixed Parts, Conversion Kit and Accessories for Fixed Parts

Type	Order Code	Number of Poles	Item Description	For use with
Kit P PF EF	1SDA068183R1	3	Fixed Plug-in base	XT1
P MP KIT	1SDA066276R1	3	Conversion kit for MCCB to plug-in	XT1
EF – Front Extended terminals*	1SDA066260R1	3	Terminals for conversion kit	XT1
Kit P PF EF	1SDA068192R1	3	Fixed Plug-in base	XT3
P MP KIT	1SDA066280R1	3	Conversion kit for MCCB to plug-in	XT3
EF – Front Extended terminals*	1SDA066264R1	3	Terminals for conversion kit	XT3
PS – Rear phase separators 90mm*	1SDA068953R1	3	Rear phase separators 90mm	XT3
Socket-plug panel connector*	1SDA066412R1	3	15 Pin for Rear	XT1/XT3
Kit P PF EF	1SDA068187R1	3	XT2 P FP 3p EF	XT2
P MP KIT	1SDA066278R1	3	KIT P MP XT2 3p	XT2
EF - Front Extended terminals	1SDA066262R1	3	KIT EF FP XT2 3pcs	XT2
Kit P PF EF	1SDA068196R1	3	XT4 P FP 3p EF	XT4
P MP KIT	1SDA066282R1	3	KIT P MP XT4 3p	XT4
EF - Front Extended terminals	1SDA066266R1	3	KIT EF FP XT4 3pcs	XT4
Socket-plug panel connector	1SDA066413R1	3 or 4	For moving part	XT2/XT4
Socket-plug panel connector	1SDA066414R1	3 or 4	For fixed part	XT2/XT4

Shunt Opening release – SOR

Type	Order Code	For use with
SOR-C 12V DC	1SDA066321R1	XT1-XT4 F/P
SOR-C 24-30V AC/DC	1SDA066322R1	XT1-XT4 F/P
SOR-C 110-127V AC / 110-125V DC	1SDA066324R1	XT1-XT4 F/P
SOR-C 220-240V AC / 220-250V DC	1SDA066325R1	XT1-XT4 F/P
SOR-C 380-440V AC	1SDA066326R1	XT1-XT4 F/P
SOR-C 480-525V AC	1SDA066327R1	XT1-XT4 F/P

Shunt Opening release – YO

Type	Order Code	For use with
YO-C XT5-XT6 F/P 24...60 Vac/dc	1SDA104933R1	XT5/XT6
YO-C XT6 W 110..240 Vac - 110..250 Vdc	1SDA104938R1	XT5/XT6
YO-C XT5-XT6 F/P 110..240Vac-110..250Vdc	1SDA104934R1	XT5/XT6
YO-C XT5-XT6 F/P 380..440 Vac	1SDA104935R1	XT5/XT6
YO E1.2..E6.2-XT7-XT7M 24 VAC/DC	1SDA073668R1	XT7/XT7M
YO E1.2..E6.2-XT7-XT7M 110-120 VAC/DC	1SDA073672R1	XT7/XT7M
YO E1.2..E6.2-XT7-XT7M 220-240 VAC/DC	1SDA073674R1	XT7/XT7M
YO E1.2..E6.2-XT7-XT7M 380-400 VAC	1SDA073677R1	XT7/XT7M

Shunt Closing release – YC

Type	Order Code	For use with
YC E1.2..E6.2-XT7M 24 V AC/DC	1SDA073681R1	XT7/XT7M
YC E1.2..E6.2-XT7M 110-120 V AC/DC	1SDA073685R1	XT7/XT7M
YC E1.2..E6.2-XT7M 220-240 V AC/DC	1SDA073687R1	XT7/XT7M
YC E1.2..E6.2-XT7M 380-400 V AC	1SDA073690R1	XT7/XT7M

Under voltage release-YU

Type	Order Code	For use with
YU-C XT5-XT6 F/P 24...30 Vac/dc	1SDA104955R1	XT5/XT6 F/P
YU-C XT5-XT6 F/P 110..127Vac-110..125Vdc	1SDA104957R1	XT5/XT6 F/P
YU-C XT5-XT6 F/P 220..240Vac-220..250Vdc	1SDA104958R1	XT5/XT6 F/P
YU-C XT5-XT6 F/P 380...440 Vac	1SDA104959R1	XT5/XT6 F/P
YU-C XT5-XT6 F/P 480...525 Vac	1SDA104960R1	XT5/XT6 F/P
YU E1.2..E6.2-XT7-XT7M 24 VAC/DC	1SDA073694R1	XT7/XT7M
YU E1.2..E6.2-XT7-XT7M 110-120 VAC/DC	1SDA073698R1	XT7/XT7M
YU E1.2..E6.2-XT7-XT7M 220-240 VAC/DC	1SDA073700R1	XT7/XT7M
YU E1.2..E6.2-XT7-XT7M 380-400 VAC	1SDA073703R1	XT7/XT7M

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Moulded Case Circuit Breakers for Power Distribution

3.4 TMAX XT: XT1-XT7 Accessories



Under Voltage Release – UVR

Type	Order Code	For Use with
UVR-C 24 – 30V AC / DC	1SDA066396R1	XT1-XT4 F/P
UVR-C 110 – 127V AC / 110 – 125V DC	1SDA066398R1	XT1-XT4 F/P
UVR-C 220 – 240V AC / 220 – 250V DC	1SDA066399R1	XT1-XT4 F/P
UVR-C 380 – 440V AC	1SDA066400R1	XT1-XT4 F/P
UVR-C 480 – 525V AC	1SDA066401R1	XT1-XT4 F/P

Delay Device for Under Voltage Release – UVD

Type	Order Code	For Use with
UVD 24 – 30V AC / DC*	1SDA051357R1	XT1-XT4
UVD 110 – 125V AC / DC	1SDA051360R1	XT1-XT4
UVD T1..T6 – XT1..XT4 220..250Va.c./d.c.	1SDA051361R1	XT1-XT4
UVD XT5-XT6 220..250Va.c./d.c.	1SDA101982R1	XT5/XT6
UVD 220/250VE1/6-T7-X1-T8-E1.2/6.2-XT7/M	1SDA038320R1	XT7M

Auxiliary Contacts – AUX

Type	Order Code	For Use with
AUX-C 3Q L 250Vac/dc XT1	1SDA066426R1	XT1
AUX-C 3Q L 250Vac/dc XT2-XT4 F/P	1SDA066427R1	XT2/XT4 F/P
AUX-C 3Q L 250Vac/dc XT3	1SDA066428R1	XT3
AUX-C 1Q+1SY 250Vac/dc XT1...XT6 F/P	1SDA066431R1	XT1...XT6 F/P
AUX-C 2Q+1SY 250Vac/dc XT1...XT6 F/P	1SDA066433R1	XT1...XT6 F/P
AUX-C 3Q+2SY 250Vac/dc XT2-XT4 F/P	1SDA066436R1	XT2/XT4
AUX-C 3Q+1SY 250Vac/dc XT2...XT6 F/P	1SDA066434R1	XT2...XT6 F/P
AUX-C 1Q + 1SY 400V AC/DC XT5 F/P	1SDA104784R1	XT5 F/P
AUX-C 2Q 400V AC/DC XT5 F/P	1SDA104795R1	XT5 F/P
AUX 4Q 400V E1.2-XT7-XT7M	1SDA073750R1	XT7/XT7M
AUX 4Q 24VDC E1.2-XT7-XT7M	1SDA073751R1	XT7/XT7M
AUX-SC S33 M/2 250V AC/DC XT7M	1SDA104825R1	XT7M

Motor Operators - MOD

Type	Order Code	For Use with
MOD 24V DC	1SDA066457R1	XT1 / XT3
MOD 110 – 125V AC / DC	1SDA066459R1	XT1 / XT3
MOD 220 – 250V AC / DC	1SDA066460R1	XT1 / XT3
MOD 380 – 440V AC	1SDA066461R1	XT1 / XT3

Motor Operators - MOE

Type	Order Code	For Use with
MOE 24V DC	1SDA066463R1	XT2/XT4
MOE 110 – 125V AC / DC	1SDA066465R1	XT2/XT4
MOE 220 – 250V AC / DC	1SDA066466R1	XT2/XT4
MOE 380 – 440V AC	1SDA066467R1	XT2/XT4
MOE XT5 24V DC	1SDA104879R1	XT5
MOE XT6 24V DC	1SDA104889R1	XT6
MOE XT5 110...125V AC/DC	1SDA104883R1	XT5
MOE XT6 110...125V AC/DC	1SDA104893R1	XT6
MOE XT5 220...250V AC/DC	1SDA104885R1	XT5
MOE XT6 220...250V AC/DC	1SDA104895R1	XT6
MOE XT5 380V AC	1SDA104887R1	XT5
MOE XT6 380V AC	1SDA104897R1	XT6
M XT7M 24-30 V AC/DC	1SDA104919R1	XT7M
M XT7M 100-130 V AC/DC	1SDA104921R1	XT7M
M XT7M 220-250 V AC/DC	1SDA104922R1	XT7M

Moulded Case Circuit Breakers for Power Distribution

3.4 TMAX XT: XT1-XT7 Accessories

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Rotary Handle Operating Mechanisms

Type	Order Code	For Use with
RHE_B XT1-XT3 F/P BASE R.DIST.ADJ.ROT.HA	1SDA066483R1	XT1/XT3
RHE_S XT1...XT4 500MM ROD R.D.ADJ.ROT.HAN	1SDA066576R1	XT1-XT4
RHE_H XT1...XT4 HANDLE R.D.ADJ.ROT.HAN	1SDA066577R1	XT1-XT4
RHE_H XT1...XT4 HAND.EME.R.D.ADJ.ROT.HAN	1SDA066578R1	XT1-XT4
RHE_H EM LH XT1...XT4 EMER. RETURNED	1SDA066585R1	XT1-XT4
RHE_B XT2-XT4 F/P BASE R.DIST.ADJ.ROT.HA	1SDA069057R1	XT2/XT4
RHD XT1-XT3 F/P STAND. DIRECT	1SDA066475R1	XT1/XT3
RHD XT2-XT4 F/P STAND. DIRECT	1SDA069053R1	XT2/XT4
RHD XT5 F/P STAND. DIRECT	1SDA104826R1	XT5 F/P
RHD XT6 F/P STAND. DIRECT	1SDA104832R1	XT6 F/P
RHD XT7 F/W STAND. DIRECT	1SDA104838R1	XT7 F/W
RHE XT1-XT3 F/P STAND. RETURNED	1SDA066479R1	XT1/XT3
RHE XT2-XT4 F/P STAND. RETURNED	1SDA069055R1	XT2/XT4
RHE XT5 F/P STAND. RETURNED	1SDA104843R1	XT5 F/P
RHE XT6 F/P STAND. RETURNED	1SDA104853R1	XT6 F/P
RHE XT7 F/W STAND. RETURNED	1SDA104863R1	XT7 F/W

Padlock on the Circuit Breaker

Type	Order Code	Item Description	For use with
PLL XT1-XT3 REMOV.PADL.DEVICE OPEN PLUG.	1SDA066588R1	Removable lock with padlocks in open position	XT1/XT3
PLL XT1-XT3 PADLOCKS DEVICE OPEN	1SDA066589R1	Fixed lock with padlocks in open position	XT1/XT3
PLL XT2-XT4 PADLOCKS DEVICE OPEN	1SDA066590R1	Fixed lock with padlocks in open position	XT2/XT4
PLL XT2-XT4 PADLOCKS DEVICE OP/CL	1SDA066592R1	Fixed lock with padlocks in open/close position	XT2/XT4
PLL XT5 PADLOCKS DEVICE OP/CL	1SDA105098R1	Fixed lock with padlocks in open/close position	XT5
PLL XT5 PADLOCKS DEVICE OPEN	1SDA105099R1	Fixed lock with padlocks in open position	XT5
PLL XT5 REM.PADLOCKS DEVICE OPEN	1SDA105100R1	Removable lock with padlocks in open position	XT5
PLL XT6 PADLOCKS DEVICE OP/CL	1SDA105101R1	Fixed lock with padlocks in open/close position	XT6
PLL XT6 PADLOCKS DEVICE OPEN	1SDA105102R1	Fixed lock with padlocks in open position	XT6
PLL XT6 REM.PADLOCKS DEVICE OPEN	1SDA105103R1	Removable lock with padlocks in open position	XT6
PLL XT7 PADLOCKS DEVICE OPEN	1SDA105104R1	Fixed lock with padlocks in open position	XT7

Insulating terminal covers

Type	Order Code	Number of Poles	For use with
LTC Low terminal covers	1SDA066655R1	3	XT1
LTC Low terminal covers	1SDA066656R1	4	XT1
HTC High terminal covers	1SDA066664R1	3	XT1
HTC High terminal covers	1SDA066665R1	4	XT1
LTC Low terminal covers	1SDA066657R1	3	XT2
LTC Low terminal covers	1SDA066659R1	4	XT2
HTC High terminal covers	1SDA066666R1	3	XT2
HTC High terminal covers	1SDA066667R1	4	XT2
LTC Low terminal covers	1SDA066660R1	3	XT3
LTC Low terminal covers	1SDA066661R1	4	XT3
HTC High terminal covers	1SDA066668R1	3	XT3
HTC High terminal covers	1SDA066669R1	4	XT3
LTC Low terminal covers	1SDA066662R1	3	XT4
LTC Low terminal covers	1SDA066663R1	4	XT4
HTC High terminal covers	1SDA066670R1	3	XT4
HTC High terminal covers	1SDA066671R1	4	XT4
LTC Low terminal covers	1SDA105018R1	3	XT5
LTC Low terminal covers	1SDA105019R1	4	XT5
HTC High terminal covers	1SDA105025R1	3	XT5
HTC High terminal covers	1SDA105026R1	4	XT5
LTC Low terminal covers	1SDA105020R1	3	XT6
LTC Low terminal covers	1SDA105021R1	4	XT6
HTC High terminal covers	1SDA105027R1	3	XT6
HTC High terminal covers	1SDA105028R1	4	XT6
HTC High terminal covers for Extended Spread terminals	1SDA105031R1	3	XT5
HTC High terminal covers for Extended Spread terminals	1SDA105032R1	4	XT5
HTC High terminal covers for Extended Spread terminals	1SDA105033R1	3	XT6
HTC High terminal covers for Extended Spread terminals	1SDA105034R1	4	XT6

Moulded Case Circuit Breakers for Power Distribution

3.4 TMAX XT: XT1-XT7 Accessories



Mechanical Interlock XT1-XT6

Type	Order Code	For use with
Mechanical Interlocking Chassis-Horizontal XT1-XT4	1SDA066637R1	XT1-XT4
Mechanical Interlocking Chassis-Vertical XT1-XT4	1SDA066638R1	XT1-XT4
Plate x XT1 F (one per breaker)	1SDA066639R1	XT1 Fixed
Plate x XT1 P (one per breaker)	1SDA066640R1	XT1 Plug-in
Plate x XT2 F (one per breaker)	1SDA066641R1	XT2 Fixed
Plate x XT2 P/W (one per breaker)	1SDA066642R1	XT2 Plug-in/Withdrawable
Plate x XT3 F (one per breaker)	1SDA066643R1	XT3 Fixed
Plate x XT3 P (one per breaker)	1SDA066644R1	XT3 Plug-in
Plate x XT4 F (one per breaker)	1SDA066645R1	XT4 Fixed
Plate x XT4 P/W (one per breaker)	1SDA066646R1	XT4 Plug-in/Withdrawable
Mechanical Interlocking Chassis-Horizontal XT5 2 C.BREAKER	1SDA105117R1	XT5
Mechanical Interlocking Chassis-Vertical XT5 2 C.BREAKER	1SDA105119R1	XT5
Plate XT5 Fixed (one per breaker)	1SDA105122R1	XT5 Fixed
Plate XT5 P/W 400A (one per breaker)	1SDA105123R1	XT5 Plug-in/Withdrawable
Plate XT5 P/W 630A (one per breaker)	1SDA105124R1	XT5 Plug-in/Withdrawable
Plate for XT4 F with XT5 MIR	1SDA105121R1	XT4 Fixed
Mechanical Interlocking Chassis-Horizontal XT6 2 C.BREAKER	1SDA105118R1	XT6
Mechanical Interlocking Chassis-Vertical XT6 2 C.BREAKER	1SDA105120R1	XT6
Plate XT6 Fixed (one per breaker)	1SDA105126R1	XT6 Fixed
Plate XT6 Withdrawable (one per breaker)	1SDA105127R1	XT6 Withdrawable
Plate for XT5 Fixed with XT6 (one per breaker)	1SDA101988R1	XT5 Fixed
Plate for XT5 P/W 400A with XT6 (one per breaker)	1SDA101989R1	XT5 Plug-in/Withdrawable
Plate for XT5 P/W 630A with XT6 (one per breaker)	1SDA101990R1	XT5 Plug-in/Withdrawable

Note: If the CB is interlocked & has a stored energy motor operator (MOE/MOE-E) a key lock type MOL-M is mandatory

Mechanical Interlock with cables between two circuit breakers

Type	Order Code	For use with
Cable interlock A - HR E1.2...E6.2-XT7/M	1SDA073881R1	XT7/XT7M
Sup. fixed Type A E1.2-XT7/M wall mount (one per breaker)	1SDA073894R1	XT7/XT7M
Sup. fixed Type A E1.2-XT7/M floor mount (one per breaker)	1SDA073893R1	XT7/XT7M
Support for fixed part Type A E1.2-XT7/M (one per breaker)	1SDA073896R1	XT7/XT7M



Key lock for front / Rotary Handle

Type	Order Code	For use with
RHL Ronis key lock open/closed, different keys – RHD/FLD	1SDA105080R1	XT5
RHL Ronis key lock open/closed, different keys – FLD	1SDA105090R1	XT6/XT7
RHL Ronis key lock open, same Type A keys – RHx/FLD	1SDA105082R1	XT5
RHL Ronis key lock open, same Type A keys – FLD	1SDA105086R1	XT6/XT7
RHL Ronis key lock open, same Type B keys - RHx/FLD	1SDA105083R1	XT5
RHL Ronis key lock open, same Type B keys - FLD	1SDA105087R1	XT6/XT7
RHL Ronis key lock open, same Type C keys - RHx/FLD	1SDA105084R1	XT5
RHL Ronis key lock open, same Type D keys - FLD	1SDA105089R1	XT6/XT7
RHL Ronis key lock open, same Type D keys - RHx/FLD	1SDA105085R1	XT5



Residual current devices

Type	Order Code	For use with
RC Inst HV 85...690Vac XT1 3p F	1SDA067122R1	XT1 3P
RC Sel HV 85...690Vac XT1 3p F	1SDA067123R1	XT1 3P
RC Inst HV 85...690Vac XT1 4p F	1SDA067124R1	XT1 4P
RC Sel HV 85...690Vac XT1 4p F	1SDA067125R1	XT1 4P
RC Sel x XT2 4p	1SDA067126R1	XT2 4P
RC Inst HV 85...690Vac XT3 3p F	1SDA067127R1	XT3 3P
RC Sel HV 85...690Vac XT3 3p F	1SDA067128R1	XT3 3P
RC Inst HV 85...690Vac XT3 4p F	1SDA067129R1	XT3 4P
RC Sel HV 85...690Vac XT3 4p F	1SDA067130R1	XT3 4P
RC Sel x XT4 4p	1SDA067131R1	XT4 4P
RC Sel x XT5 4p	1SDA105131R1	XT5 4P

Moulded Case Circuit Breakers for Power Distribution

3.4 TMAX XT: XT1-XT7 Accessories

3



Terminals, Phase Barriers & Front Level mechanism

Type	Order Code	Number of Poles	For Use with
KIT EF XT1 3pcs	1SDA066865R1	3	XT1
KIT EF XT1 4pcs	1SDA066866R1	4	XT1
KIT EF XT2 3pcs	1SDA066869R1	3	XT2
KIT EF XT2 4pcs	1SDA066870R1	4	XT2
KIT EF XT3 3pcs	1SDA066873R1	3	XT3
KIT EF XT3 4pcs	1SDA066874R1	4	XT3
KIT EF XT4 3pcs	1SDA066877R1	3	XT4
KIT EF XT4 4pcs	1SDA066878R1	4	XT4
KIT ES XT1 3pcs	1SDA066889R1	3	XT1
KIT ES XT1 4pcs	1SDA066890R1	4	XT1
KIT ES XT2 3pcs	1SDA066893R1	3	XT2
KIT ES XT2 4pcs	1SDA066894R1	4	XT2
KIT ES XT3 3pcs	1SDA066897R1	3	XT3
KIT ES XT3 4pcs	1SDA066898R1	4	XT3
KIT ES XT4 3pcs	1SDA066901R1	3	XT4
KIT ES XT4 4pcs	1SDA066902R1	4	XT4
KIT EF XT5 3pcs	1SDA104734R1	3	XT5
KIT EF XT5 4pcs	1SDA104735R1	4	XT5
KIT EF E1.2-XT7-XT7M F 3PCS	1SDA073967R1	3	XT7/XT7M
KIT EF E1.2-XT7-XT7M F 4PCS	1SDA073968R1	4	XT7/XT7M
KIT ES XT5 3pcs	1SDA104738R1	3	XT5
KIT ES XT5 4pcs	1SDA104739R1	4	XT5
Kit ES E1.2-XT7-XT7M F 3pcs	1SDA073979R1	3	XT7/XT7M
Kit ES E1.2-XT7/XT7M F 4pcs	1SDA073980R1	4	XT7/XT7M
PB 100mm 4pcs XT5 3p KIT PA.DI.PH.HI	1SDA105002R1	3	XT5
PB 100mm 6pcs XT6 4p KIT PA.DI.PH.HI	1SDA105011R1	4	XT6
PB 200mm 4pcs XT5 3p KIT PA.DI.PH.HI	1SDA105004R1	3	XT5
PB 200mm 6pcs XT5 4p KIT PA.DI.PH.HI	1SDA105005R1	4	XT6
PB 100mm 4pcs XT6 3p KIT PA.DI.PH.HI	1SDA105010R1	3	XT5
PB 200mm 4pcs XT6 3p KIT PA.DI.PH.HI	1SDA105012R1	4	XT6
FLD - XT5 F/P	1SDA104871R1		XT5 Fixed/Plug-in
FLD - XT6 F/P	1SDA104873R1		XT6 Fixed/Plug-in



Key Lock on the Circuit Breaker

Type	Order Code	For Use with
KLC Ronis key lock open, different keys, removable in open position	1SDA066593R1	XT1
KLC Ronis key lock open, same type A keys, removable in open position	1SDA066594R1	XT1
KLC Ronis key lock open, same type B keys, removable in open position	1SDA066595R1	XT1
KLC Ronis key lock open, same type C keys, removable in open position	1SDA066596R1	XT1
KLC Ronis key lock open, same type D keys, removable in open position	1SDA066597R1	XT1
KLC Ronis key lock open, different keys, removable in open position	1SDA066599R1	XT2/XT4
KLC Ronis key lock open, same type A keys, removable in open position	1SDA066600R1	XT2/XT4
KLC Ronis key lock open, same type B keys, removable in open position	1SDA066601R1	XT2/XT4
KLC Ronis key lock open, same type C keys, removable in open position	1SDA066602R1	XT2/XT4
KLC Ronis key lock open, same type D keys, removable in open position	1SDA066603R1	XT2/XT4
KLC Ronis key lock open, different keys, removable in open position	1SDA066605R1	XT3
KLC Ronis key lock open, same type A keys, removable in open position	1SDA066606R1	XT3
KLC Ronis key lock open, same type B keys, removable in open position	1SDA066607R1	XT3
KLC Ronis key lock open, same type C keys, removable in open position	1SDA066608R1	XT3
KLC Ronis key lock open, same type D keys, removable in open position	1SDA066609R1	XT3
KLC XT5-XT6 KE.LO. RONIS Different Keys	1SDA105066R1	XT5
KLC XT5-XT6 KE.LO. RONIS Type A Keys	1SDA105062R1	XT5
KLC XT5-XT6 KE.LO. RONIS Type B Keys	1SDA105063R1	XT5
KLC XT7 KE.LO. RONIS Type A keys	1SDA105071R1	XT7
KLC XT7 KE.LO. RONIS Type B keys	1SDA105072R1	XT7
KLC XT7 KE.LO. RONIS Type C keys	1SDA105073R1	XT7
KLC XT7 KE.LO. RONIS Type D keys	1SDA105074R1	XT7
KLC-Different Key lock open XT7M	1SDA107494R1	XT7M
KLC-S Key lock open N.20005 XT7M	1SDA107495R1	XT7M
KLC-S Key lock open N.20006 XT7M	1SDA107496R1	XT7M
KLC-S Key lock open N.20007 XT7M	1SDA107497R1	XT7M
KLC-S Key lock open N.20008 XT7M	1SDA107498R1	XT7M

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Moulded Case Circuit Breakers for Power Distribution

3.4 TMAX XT: XT1-XT7 Accessories



Ekip Cartridge & Power Supply Modules

Type	Order Code	For Use with
Ekip Cartridge 2 slots XT2-XT4-XT5	1SDA105203R1	XT2/XT4/XT5
Ekip Cartridge 4 slots XT2-XT4-XT5	1SDA105204R1	XT2/XT4/XT5
EKIP SUPPLY 110-240VAC/DC E1.2..E6.2-XT	1SDA074172R1	XT2/XT4/XT5/XT7/XT7M
EKIP SUPPLY 24-48VDC E1.2..E6.2-Tmax XT	1SDA074173R1	XT2/XT4/XT5/XT7/XT7M

Note: An Ekip Supply is required to power the cartridge module



Connectivity Modules- Internal Only

Type	Order Code	For Use with
EKIP COM ETHERNET/IP XT2-XT4 INT	1SDA105173R1	XT2/XT4
EKIP COM IEC61850 XT2-XT4 INT	1SDA105174R1	XT2/XT4
SLIM EKIP COM MODBUSRS-485 XT2-4 INT F/P	1SDA105175R1	XT2/XT4
EKIP COM MODBUS TCP XT2-XT4 INT	1SDA105177R1	XT2/XT4
EKIP COM PROFINET XT2-XT4 INT	1SDA105180R1	XT2/XT4
EKIP COM STA MODB.RS-485 XT2-XT4 INT F/P	1SDA105181R1	XT2/XT4
EKIP COM STA MODBUS TCP XT2-XT4 INT F/P	1SDA105183R1	XT2/XT4
EKIP COM ETHERNET/IP XT5 INT	1SDA105185R1	XT2/XT4
EKIP COM IEC61850 XT5 INT	1SDA105186R1	XT5
EKIP COM MODBUS RS-485 XT5 INT F/P	1SDA105187R1	XT5
EKIP COM MODBUS TCP XT5 INT	1SDA105189R1	XT5
EKIP COM PROFINET XT5 INT	1SDA105192R1	XT5
EKIP COM STA MODBUS RS-485 XT5 INT F/P	1SDA105193R1	XT5
EKIP COM STA MODBUS TCP XT5 INT F/P	1SDA105195R1	XT5

Note: Ekip Com STA internal modules are also available for theromag Units



Connectivity modules -Cartridge and XT7 (External only)

Type	Order Code	For Use with
EKIP COM DEVICENET Tmax XT	1SDA105162R1	XT2/XT4/XT5/XT7-XT7M
EKIP COM ETHERNET/IP Tmax XT	1SDA105163R1	XT2/XT4/XT5/XT7-XT7M
Ekip Com Hub Tmax XT	1SDA105164R1	XT2/XT4/XT5/XT7-XT7M
EKIP COM IEC61850 Tmax XT	1SDA105165R1	XT2/XT4/XT5/XT7-XT7M
EKIP COM MODBUS RS-485 Tmax XT	1SDA105166R1	XT2/XT4/XT5/XT7-XT7M
EKIP COM MODBUS TCP Tmax XT	1SDA105167R1	XT2/XT4/XT5/XT7-XT7M
EKIP COM PROFIBUS Tmax XT	1SDA105170R1	XT2/XT4/XT5/XT7-XT7M
EKIP COM PROFINET Tmax XT	1SDA105171R1	XT2/XT4/XT5/XT7-XT7M

Software Packages

Type	Order Code	For Use with
SW Measuring for XT2-XT4	1SDA105208R1	XT2/XT4
SW Measuring for XT5-XT7	1SDA105209R1	XT5/XT7
SW Voltages Protection for XT2-XT4	1SDA105211R1	XT2/XT4
SW Voltages Protection for XT5-XT7	1SDA105212R1	XT5/XT7
SW Frequency Protection for XT2-XT4	1SDA105215R1	XT2/XT4
SW Frequency Protection for XT5-XT7	1SDA105216R1	XT5/XT7
SW Power Protection for XT2-XT4	1SDA105217R1	XT2/XT4
SW Power Protection for XT5-XT7	1SDA105218R1	XT5/XT7
SW ROCOF Protection for XT2-XT4	1SDA105219R1	XT2/XT4
SW ROCOF Protection for XT5-XT7	1SDA105220R1	XT5/XT7

Note: Only available on Ekip-Touch Trip units and some Hi-Touch. Contact ABB representative for more information

Metering functionality

Type	Order Code	For Use with
Class 1 Power & Energy Metering XT2-XT4	1SDA107492R1	XT2/XT4 Touch
Class 1 Power & Energy Metering XT5-XT7	1SDA107493R1	XT5/XT7 Touch

Note: To be ordered upfront with the Touch MCCB. Not available afterwards

Moulded Case Circuit Breakers for Power Distribution

3.5 Tmax XT2/XT4 - Coordination Tables

3

MCB - MCB @ 415 V

Supply S.				S200	S200M	S200P	S280
Char.				B-C	B-C	B-C	B-C
Load S.		Icu [kA]	In [A]	10	15	25	6
				0.5..63	0.5..63	0.5..25	80, 100
S200	B,C,K,Z	10	0.5..63		15	25	15
S200M	B,C	15	0.5..63			25	
S200P	B,C, D,K,Z	25	0.5..25				
		15	32..63				

MCCB - MCB @ 415 V

			Supply s.	XT1		XT2	XT3	XT4	XT1	XT2	XT3	XT4	XT1	XT2	XT4	XT2	XT4	XT2	XT4					
			Version	B	C	N		S				H		L		V								
Load s.	Carat.	In [A]	Icu [kA]	18	25	36		50				70		120		150								
S200	B, C, K, Z	0.5..10	10	18	25	30	36	36		30	36	40		40	30	40	40	30	40	30				
		13..63					16				16													
S200M	B, C, D, K, Z	0.5..10	15	18	25	30	36	36		30	50	40		40	30	70		40	40		30	40		30
		13..63					25				25			60	40	40	40	40	40	40	40	40	40	
S200P	B, C, D, K, Z	0.5..10	25			30	36	36	36	30	50	40	40	30	70	40	60	30	60	30				
				30	36	30	36	30	50	30	40	30	60	40	40	30	40	30						
		13..25				25				25			25	40	30	60	40	40	30	40	30			
		32..63	15	18	25	30	36	25	36	30	50	25	40	30	60	40	40	30	40	30				
S800N	B, C, D	6..125	36							50	50	50	50	70	70	70	120	120	150	150				
S800S	B, C, D, K	6..125	50											70	70	70	120	120	150	150				
S800C	B, C, D, K	10..125				36	36	36	36	50	50	50	50	70	70	70	120	120	150	150				

XT – S800B @ 230/400 V

			Supply s.	XT1	XT1	XT1	XT2	XT3	XT4	XT1	XT2	XT3	XT4	XT1	XT2	XT4	XT2	XT4	XT2	XT4
			Version	B	C	N				S				H		L		V		
Load s.	Char.	In [A]	Icu [kA]	18	25	36				50				70		120		150		
S800B	B, C	32...100	16	18	25	36	36	36	36	50	50	50	50	70	70	70	120	120	150	150
	D, K	125*		18	25	36	36	36	36	50	50	50	50	70	70	70	120	120	150	150

S800B – S200 @ 230/400 V

Supply s.				S800B						
	Char.			B, C, D, K						
Load s.		Icu [kA]								
		In [A]	32	40	50	63	80	100	125*	
S200	C, D, K, Z	10	0.5...6	16	16	16	16	16	16	16
			8	16	16	16	16	16	16	16
			10	16	16	16	16	16	16	16
			13	16	16	16	16	16	16	16
			16	16	16	16	16	16	16	16
			20	16	16	16	16	16	16	16
			25		16	16	16	16	16	16
			32			16	16	16	16	16
			40				16	16	16	16
			50					16	16	16
						16	16	16		

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Moulded Case Circuit Breakers for Motor Protection

3.5 Summary Motor Protection Tmax XT: XT1-XT7

3

The Tmax XT trip units represent the ideal solution for any application up to 1600A.

The Tmax XT molded case circuit-breaker family complies with numerous installation requirements. Circuit-breakers are available with trip units dedicated to three different application groups. The table below shows the trip units for each circuit-breaker frame and the related rated interrupted current ranges.

The power distribution and generator protection application trip units are available in both 3 and 4-pole versions. With the XT2, XT4, XT5, XT6, XT7 and XT7 M versions the trip units are interchangeable, in order to make a performance upgrade of the system easier.



Rated uninterrupted current ranges [A]	XT1	XT2	XT3
Power Distribution Protection			
Thermal-magnetic			
TMD	16...160 ¹⁾	1,6...32	63...250
TMA		40...160	
Ekip Dip			
Ekip Dip LS/I		10...160	
Ekip Dip LIG		10...160	
Ekip Dip LSI		10...160	
Ekip Dip LSIG		10...160	
Ekip Touch			
Ekip Touch LSI		40...160	
Ekip Touch LSIG		40...160	
Ekip Touch Measuring LSI		40...160	
Ekip Touch Measuring LSIG		40...160	
Ekip Hi-Touch LSI		40...160	
Ekip Hi-Touch LSIG		40...160	
Motor Protection			
Magnetic			
MF/MA		1...160	100...200
Ekip Dip			
Ekip M Dip I		10...160	
Ekip M Dip LIU		25...160	
Ekip Touch			
Ekip M Touch LRIU		40...100	
Generator Protection			
Thermal-magnetic			
TMG		16...160	63...250
Ekip Dip			
Ekip G Dip LS/I		25...160	
Ekip Touch			
Ekip G Touch LSIG			
Ekip G Hi-Touch LSIG			

1) 16A and 20A for N, S, H have the TMF trip unit

Moulded Case Circuit Breakers for Motor Protection

3.5 Summary Motor Protection Tmax XT: XT1-XT7

3

Maximum flexibility is guaranteed for customers: on the XT5, XT7 and XT7 M, with Ekip Touch trip units, the interchangeable rating plug enables the rated current to be changed according to system requirements.



XT4	XT5	XT6	XT7	XT7 M
16...32				
40...250	320...630	630...800		
40...250	250...630	630...1000	630...1600	630...1600
40...250	250...630	630...1000	630...1600	630...1600
40...250	250...630	630...1000	630...1600	630...1600
40...250	250...630	630...1000	630...1600	630...1600
100...250	250...630		630...1600	630...1600
100...250	250...630		630...1600	630...1600
100...250	250...630		630...1600	630...1600
100...250	250...630		630...1600	630...1600
100...250	250...630		630...1600	630...1600
100...250	250...630		630...1600	630...1600
10...200	320...500			
40...250	250...630	630...1000	630...1600	630...1600
40...160	250...500	630...800		
100...200	250...500		630...1600	630...1600
	320...630			
40...250	250...630	630...1000	630...1600	630...1600
	250...630		630...1600	630...1600
	250...630		630...1600	630...1600

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Moulded Case Circuit Breakers for Motor Protection

3.6 Motor Protection Tmax XT: XT1-XT6

3



XT2 160 MF/MA – Fixed (F) – 3 poles – Front terminals (F)

Magnetic trip unit - MF/MA		In	N	S	H	V
			Icu @ 415Vac = 36kA	Icu @ 415Vac = 50kA	Icu @ 415Vac = 70kA	Icu @ 415Vac = 150kA
Short circuit current						
MF	14A	1	1SDA067044R1	1SDA067760R1	1SDA067770R1	1SDA067790R1
MF	28A	2	1SDA067045R1	1SDA067761R1	1SDA067771R1	1SDA067791R1
MF	56A	4	1SDA067046R1	1SDA067762R1	1SDA067772R1	1SDA067792R1
MF	120A	8,5	1SDA067047R1	1SDA067763R1	1SDA067773R1	1SDA067793R1
MF	175A	12,5	1SDA067048R1	1SDA067764R1	1SDA067774R1	1SDA067794R1
MA	120-280A	20	1SDA067049R1	1SDA067765R1	1SDA067775R1	1SDA067795R1
MA	192-448A	32	1SDA067050R1	1SDA067766R1	1SDA067776R1	1SDA067796R1
MA	314-728A	52	1SDA067051R1	1SDA067767R1	1SDA067777R1	1SDA067797R1
MA	480-1120A	80	1SDA067052R1	1SDA067768R1	1SDA067778R1	1SDA067798R1
MA	600-1400A	100	1SDA067053R1	1SDA067769R1	1SDA067779R1	1SDA067799R1
MA	960-2240A	160	1SDA076529R1	1SDA076530R1	1SDA076535R1	



XT3 250 MA – Fixed (F) – 3 poles – Front terminals (F)

Magnetic trip unit - MA		In	N	S
			Icu @ 415Vac = 36kA	Icu @ 415Vac = 50kA
Short circuit current				
MA*	600-1200A	100	1SDA068071R1	1SDA068279R1
MA*	750-1500A	125	1SDA068072R1	1SDA068280R1
MA*	960-1920A	160	1SDA068073R1	1SDA068281R1
MA*	1200-2400A	200	1SDA068074R1	1SDA068282R1



XT4 160/200 MA – Fixed (F) – 3 poles – Front terminals (F)

Magnetic trip unit - MA		In	N	S	H	V
			Icu @ 415Vac = 36kA	Icu @ 415Vac = 50kA	Icu @ 415Vac = 70kA	Icu @ 415Vac = 150kA
Short Circuit Current						
MA	50-100A	10	1SDA068112R1	1SDA068431R1	1SDA068441R1	
MA	62.5-125A	12.5	1SDA068113R1	1SDA068432R1	1SDA068442R1	
MA	100-200A	20	1SDA068114R1	1SDA068433R1	1SDA068443R1	1SDA107704R1
MA	160-320A	32	1SDA068115R1	1SDA068434R1	1SDA068444R1	1SDA107705R1
MA	260-520A	52	1SDA068116R1	1SDA068435R1	1SDA068445R1	1SDA107706R1
MA	400-800A	80	1SDA068117R1	1SDA068436R1	1SDA068446R1	
MA	500-1000A	100	1SDA068118R1	1SDA068437R1	1SDA068447R1	
MA	625-1250A	125	1SDA068119R1	1SDA068438R1	1SDA068448R1	
MA	800-1600A	160	1SDA068120R1	1SDA068439R1	1SDA068449R1	
MA	1000-2000A	200	1SDA068121R1	1SDA068440R1	1SDA068450R1	

XT4V 160A - Breaking Part - Fault Level 150kA

	Iu	Icu (415 V)	Type	3 Poles
Mandatory Part 1 for XT4V				Code
XT4 Breaking Part*	160A	150kA		1SDA100261R1

XT4V - Trip Unit Part (To be ordered with Breaking Part Above)

Mandatory Part 2 for XT4V		In	Short Circuit Current	3 Poles
				Code
MA*		80	400-800A	1SDA067493R1
MA*		100	500-1000A	1SDA067494R1
MA*		125	625-1250A	1SDA067495R1
MA*		160	800-1600A	1SDA067496R1

Note: For XT4V breakers, Part 1 and Part 2 with applicable trip units need to be ordered

Moulded Case Circuit Breakers for Motor Protection

3.6 Motor Protection Tmax XT: XT1-XT6

XT4L 250A - Breaking Part - Fault Level 120kA

	Iu	Icu (415 V)	3 Poles
Mandatory Part 1 for XT4L			Code
XT4L 250 Breaking Part 3p	250A	120kA	1SDA068176R1

XT4 250A - Trip Unit Part (To be ordered with Breaking Part Above)

Mandatory Part 2 for XT4L		In	Short Circuit Current	3 Poles
				Code
MA		80	400-800A	1SDA067493R1
MA		100	600-1000A	1SDA067494R1
MA		125	625-1250A	1SDA067495R1
MA		160	800-1600A	1SDA067496R1
MA		200	1000-2000A	1SDA067497R1

Note: For XT4L breakers, Part 1 and Part 2 with applicable trip units need to be ordered

XT5 -400/500A MA - Fixed (F) - 3 poles - Front terminals (F)

Magnetic trip unit -MA		In	N Icu @ 415Vac = 36kA	S Icu @ 415Vac = 50kA	H Icu @ 415Vac = 70kA
Short Circuit Current					
MA	2240-4160A	320A	1SDA100364R1	1SDA100434R1	1SDA100500R1
MA	2800-5200A	400A	1SDA100365R1	1SDA100435R1	1SDA100501R1
MA	3500-6500A	500A	1SDA100366R1	1SDA100436R1	1SDA100502R1

XT5 400/630A -Ekip M Dip I - Fixed (F) - 3 poles - Front terminals (F)

Electronic Trip Unit Ekip M Dip I		In	N Icu @ 415Vac = 36kA	S Icu @ 415Vac = 50kA	H Icu @ 415Vac = 70kA
Short Circuit Current					
Ekip M Dip I	320-3200A	320A	1SDA100367R1	1SDA100437R1	1SDA100503R1
Ekip M Dip I	400-4000A	400A	1SDA100368R1	1SDA100438R1	1SDA100504R1
Ekip M Dip I	630-6300A	630A	1SDA100369R1	1SDA100439R1	1SDA100505R1

Note: For XT5 breakers, Part 1 and Part 2 with applicable trip units need to be ordered

XT5V 630A - Breaking Part - Fault Level 200kA

	Iu	Icu (415 V)	3 Poles
Mandatory Part 1 for XT5V			Code
XT5V 630 Breaking Part 3p F F	630A	200kA	1SDA100567R1

XT5 630A Trip Unit (To be ordered with Breaking Part Above)

Mandatory Part 2 for XT5V		In	Short Circuit Current	3 Poles
				Code
Ekip M Dip I		630A	630-6300A	1SDA100619R1

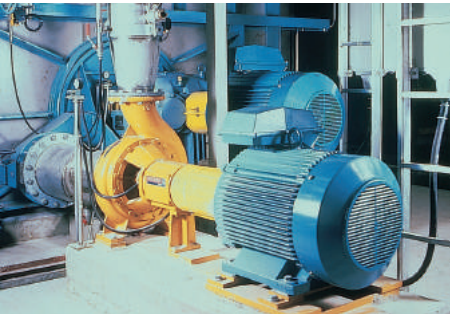
Note: For XT5 breakers, Part 1 and Part 2 with applicable trip units need to be ordered

XT6 630/800/1000A -Ekip M Dip I - Fixed (F) - 3 poles - Front terminals (F)

Electronic Trip Unit Ekip M Dip I		In	N Icu @ 415Vac = 36kA	S Icu @ 415Vac = 50kA	H Icu @ 415Vac = 70kA
Short Circuit Current					
Ekip M Dip I	630-6300A	630A	1SDA107565R1	1SDA107578R1	1SDA107591R1
Ekip M Dip I	800-8000A	800A	1SDA100725R1	1SDA100747R1	1SDA100769R1
Ekip M Dip I	1000-10000A	1000A	1SDA100726R1	1SDA100748R1	1SDA100770R1

Moulded Case Circuit Breakers for Power Distribution

3.7 Summary Power Distribution T4/T5/T6/T7



Circuit-breakers for AC-DC distribution

Size	[A]	
In	[A]	
Poles	[Nr]	
Ue	[V]	(AC) 50 – 60 Hz
	[V]	(DC)
Icu (380-415 V AC)	[kA]	N
	[kA]	S
	[kA]	H
	[kA]	L
	[kA]	V
	[kA]	X

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

Circuit-breakers for zone selectivity

Size	[A]	
Poles	[Nr]	
Ue	[V]	(AC) 50 – 60 Hz
EFD zone selectivity		
ZS zone selectivity		

Circuit-breakers for motor protection

Size	[A]	
Poles	[Nr]	
Ue	[V]	(AC) 50 – 60 Hz
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

Size	[A]	
Poles	[Nr]	
Icu max	[KA]	1000 V AC
	[KA]	1150 V AC
	[KA]	1000 V DC 4 poles in series

Switch-disconnectors

Ith	[A]	
Ie	[A]	
Poles	[Nr]	
Ue	[V]	(AC) 50 – 60 Hz
	[V]	(DC)
Icm	[kA]	
Icw	[kA]	

Note: ABB SACE's moulded-case circuit-breakers are also available in the versions according to UL Standards (see catalogue "ABB SACE molded case circuit-breakers – UL 489 and CSA C22.2 Standard").

E & O.E. Terms & Conditions apply.



Moulded Case Circuit Breakers for Power Distribution

3.7 Summary Power Distribution T4/T5/T6/T7

Function:

Protection and control of the circuits against overloads and short-circuit for power distribution.
All Tmax circuit breakers are suitable for current limiting in standard release.

Application:

Power distribution for commercial and industrial installations.

3

T4	T5	T6	T7
250 ⁽¹⁾ /320	400/630	630/800/1000	800/1000/1250/1600
20...320	320...630	630...1000	200...1600
3/4	3/4	3/4	3/4
690	690	690	690
750	750	750	
36	36	36	
50	50	50	50
70	70	70	70
120	120	100	120
200	200	150 ⁽²⁾	150
			170 ⁽³⁾

T4	T5	T6	T7
250/320	400/630	630/800/1000	800/1000/1250/1600
3/4	3/4	3/4	3/4
690/1000	690/1000	690	690
■	■	■	■

T4	T5	T6	T7
250/320	400/630	800	800/1000/1250
3	3	3	3
690	690	690	690
■			
■	■	■	
■	■	■	
			■

T4	T5	T6
250	400/630	630/800
3/4	3/4	3/4
20	20	12
12	12	
40	40	40

T4D	T5D	T6D	T7D
250/320	400/630	630/800/1000	1000/1250/1600
250/320	400/630	630/800/1000	1000/1250/1600
3/4	3/4	3/4	3/4
690	690	690	690
750	750	750	750
5.3	11	30	52.2
3.6	6	15	20

E & O.E. Terms & Conditions apply.

Moulded Case Circuit Breakers for Power Distribution

3.8 Tmax T4/T5/T6/T7

Function: Protection and control of the circuits against overloads and short-circuit for power distribution.
All Tmax circuit breakers are suitable for current limiting in standard release.

Application: Power distribution for commercial and industrial installations.



T4 320 – Fixed (F) – 3 Poles – Front terminals (F)

Electronic trip unit	In	N	S	H	V
		Icu @ 415Vac = 36kA	Icu @ 415Vac = 50 kA	Icu @ 415Vac = 70 kA	Icu @ 415Vac = 200 kA
PR221DS-LS/I	128-320A	1SDA054117R1	1SDA054125R1	1SDA054133R1	1SDA054149R1
PR222DS/P-LSI*	128-320A	1SDA054119R1	1SDA054127R1	1SDA054135R1	1SDA054151R1



T4 320 – Fixed (F) – 4 Poles – Front terminals (F)

Electronic trip unit	In	N	S	H	V
		Icu @ 415Vac = 36kA	Icu @ 415Vac = 50 kA	Icu @ 415Vac = 70 kA	Icu @ 415Vac = 200 kA
PR221DS-LS/I*	128-320A	1SDA054121R1	1SDA054129R1	1SDA054137R1	1SDA054153R1
PR222DS/P-LSI*	128-320A	1SDA054123R1	1SDA054131R1	1SDA054139R1	1SDA054155R1

T4D 320 – Switch-disconnector – Fixed (F)

Type	Iu	3 Poles	4 Poles
T4D 320	320A	1SDA054597R1	1SDA054598R1

* The above disconnector rating is based on AC22 conditions



T5 400 – Fixed (F) – 3 Poles – Front terminals (F)

Thermomagnetic trip unit -TMA	In	N	S	H	V
		Icu @ 415Vac = 36kA	Icu @ 415Vac = 50 kA	Icu @ 415Vac = 70 kA	Icu @ 415Vac = 200 kA
TMA	224-320A	1SDA054436R1	1SDA054440R1	1SDA054444R1	1SDA054452R1
TMA	280-400A	1SDA054437R1	1SDA054441R1	1SDA054445R1	1SDA054453R1

Electronic trip unit	In	N	S	H	V
		Icu @ 415Vac = 36kA	Icu @ 415Vac = 50 kA	Icu @ 415Vac = 70 kA	Icu @ 415Vac = 200 kA
PR221DS-LS/I	128-320A	1SDA054316R1	1SDA054332R1	1SDA054348R1	1SDA054380R1
PR221DS-LS/I	160-400A	1SDA054317R1	1SDA054333R1	1SDA054349R1	1SDA054381R1
PR222DS/P-LSI*	128-320A	1SDA054320R1	1SDA054336R1	1SDA054352R1	1SDA054384R1
PR222DS/P-LSI*	160-400A	1SDA054321R1	1SDA054337R1	1SDA054353R1	1SDA054385R1

T5 400 – Fixed (F) – 4 Poles – Front terminals (F)

Thermomagnetic trip unit -TMA	In	N	S	H	V
		Icu @ 415Vac = 36kA	Icu @ 415Vac = 50 kA	Icu @ 415Vac = 70 kA	Icu @ 415Vac = 200 kA
N=50%*	224-320A	1SDA054438R1	1SDA054442R1	1SDA054446R1	1SDA054454R1
N=50%	280-400A	1SDA054439R1	1SDA054443R1	1SDA054447R1	1SDA054455R1
N=100%*	224-320A	1SDA054477R1	1SDA054479R1	1SDA054481R1	1SDA054485R1
N=100%	280-400A	1SDA054478R1	1SDA054480R1	1SDA054482R1	1SDA054486R1



Electronic trip unit	In	N	S	H	V
		Icu @ 415Vac = 36kA	Icu @ 415Vac = 50 kA	Icu @ 415Vac = 70 kA	Icu @ 415Vac = 200 kA
PR221DS-LS/I*	128-320A	1SDA054324R1	1SDA054340R1	1SDA054356R1	1SDA054388R1
PR221DS-LS/I	160-400A	1SDA054325R1	1SDA054341R1	1SDA054357R1	1SDA054389R1
PR222DS/P-LSI*	128-320A	1SDA054328R1	1SDA054344R1	1SDA054360R1	1SDA054392R1
PR222DS/P-LSI*	160-400A	1SDA054329R1	1SDA054345R1	1SDA054361R1	1SDA054393R1

Moulded Case Circuit Breakers for Power Distribution

3.8 Tmax T4/T5/T6/T7

Function: Protection and control of the circuits against overloads and short-circuit for power distribution.
All Tmax circuit breakers are suitable for current limiting in standard release.

Application: Power distribution for commercial and industrial installations.

3



T5 630 – Fixed (F) – 3 Poles – Front terminals (F)

Thermomagnetic trip unit – TMA	In	N	S	H	V
		Icu @ 415Vac = 36kA	Icu @ 415Vac = 50 kA	Icu @ 415Vac = 70 kA	Icu @ 415Vac = 200 kA
TMA	350-500A	1SDA054456R1	1SDA054461R1	1SDA054465R1	1SDA054473R1

Electronic trip unit	In	N	S	H	V
		Icu @ 415Vac = 36kA	Icu @ 415Vac = 50 kA	Icu @ 415Vac = 70 kA	Icu @ 415Vac = 200 kA
PR221DS-LS/I	252-630A	1SDA054396R1	1SDA054404R1	1SDA054412R1	1SDA054428R1
PR222DS/P-LSI*	252-630A	1SDA054398R1	1SDA054406R1	1SDA054414R1	1SDA054430R1



T5 630 – Fixed (F) – 4 Poles – Front terminals (F)

Thermomagnetic trip unit – TMA	In	N	S	H	V
		Icu @ 415Vac = 36kA	Icu @ 415Vac = 50 kA	Icu @ 415Vac = 70 kA	Icu @ 415Vac = 200 kA
N=50%*	350-500A	1SDA054459R1	1SDA054463R1	1SDA054467R1	1SDA054475R1
N=100%*	350-500A	1SDA054487R1	1SDA054489R1	1SDA054491R1	1SDA054495R1

Electronic trip unit	In	N	S	H	V
		Icu @ 415Vac = 36kA	Icu @ 415Vac = 50 kA	Icu @ 415Vac = 70 kA	Icu @ 415Vac = 200 kA
PR221DS-LS/I	252-630A	1SDA054400R1	1SDA054408R1	1SDA054416R1	1SDA054432R1
PR222DS/P-LSI*	252-630A	1SDA054402R1	1SDA054410R1	1SDA054418R1	1SDA054434R1

T5D 400 & 630 – Switch-disconnector – Fixed (F)

Type	Iu	3 Poles	4 Poles
T5D 400	400A	1SDA054599R1	1SDA054600R1
T5D 630	630A	1SDA054601R1	1SDA054602R1

* The above disconnector rating is based on AC22 conditions



T6 630 – Fixed (F) – 3 Poles – Front terminals (F)

Thermomagnetic trip unit -TMA	In	N	S	H	L
		Icu @ 415Vac = 36kA	Icu @ 415Vac = 50 kA	Icu @ 415Vac = 70 kA	Icu @ 415Vac = 100 kA
TMA	440-630A	1SDA060202R1	1SDA060204R1	1SDA060206R1	1SDA060208R1

Electronic trip unit	In	N	S	H	L
		36kA	50 kA	70 kA	100 kA
PR221DS-LS/I	252-630A	1SDA060226R1	1SDA060236R1	1SDA060246R1	1SDA060256R1
PR222DS/P-LSI*	252-630A	1SDA060228R1	1SDA060238R1	1SDA060248R1	1SDA060258R1



T6 630 – Fixed (F) – 4 Poles – Front terminals (F)

Thermomagnetic trip unit -TMD and TMA	In	N	S	H	L
		Icu @ 415Vac = 36kA	Icu @ 415Vac = 50 kA	Icu @ 415Vac = 70 kA	Icu @ 415Vac = 100 kA
N=50%	441-630A	1SDA060203R1	1SDA060205R1	1SDA060207R1	1SDA060209R1
N=100%	441-630A	1SDA060210R1	1SDA060211R1	1SDA060212R1	1SDA060213R1

Electronic trip unit	In	N	S	H	L
		Icu @ 415Vac = 36kA	Icu @ 415Vac = 50 kA	Icu @ 415Vac = 70 kA	Icu @ 415Vac = 100 kA
PR221DS-LS/I	252-630A	1SDA060231R1	1SDA060241R1	1SDA060251R1	1SDA060262R1
PR222DS/P-LSI*	252-630A	1SDA060233R1	1SDA060243R1	1SDA060253R1	1SDA060264R1

E & O.E. Terms & Conditions apply.

Moulded Case Circuit Breakers for Power Distribution

3.8 Tmax T4/T5/T6/T7

Function: Protection and control of the circuits against overloads and short-circuit for power distribution.
All Tmax circuit breakers are suitable for current limiting in standard release.

Application: Power distribution for commercial and industrial installations.

T6 800 – Fixed (F) – 3 Poles – Front terminals (F)

Thermomagnetic trip unit – TMA	In	N	S	H	L
		Icu @ 415Vac = 36kA	Icu @ 415Vac = 50 kA	Icu @ 415Vac = 70 kA	Icu @ 415Vac = 100 kA
TMA	560-800A	1SDA060214R1	1SDA060216R1	1SDA060218R1	1SDA060220R1

Electronic trip unit	In	N	S	H	L
		Icu @ 415Vac = 36kA	Icu @ 415Vac = 50 kA	Icu @ 415Vac = 70 kA	Icu @ 415Vac = 100 kA
PR221DS-LS/I	320-800A	1SDA060268R1	1SDA060278R1	1SDA060289R1	1SDA060299R1
PR222DS/P-LSI*	320-800A	1SDA060270R1	1SDA060280R1	1SDA060291R1	1SDA060301R1

T6 800 – Fixed (F) – 4 Poles – Front terminals (F)

Thermomagnetic trip unit – TMD and TMA	In	N	S	H	L
		Icu @ 415Vac = 36kA	Icu @ 415Vac = 50 kA	Icu @ 415Vac = 70 kA	Icu @ 415Vac = 100 kA
N=50%*	560-800A	1SDA060215R1	1SDA060217R1	1SDA060219R1	1SDA060221R1
N=100%	560-800A	1SDA060222R1	1SDA060223R1	1SDA060224R1	1SDA060225R1

Electronic trip unit	In	N	S	H	L
		Icu @ 415Vac = 36kA	Icu @ 415Vac = 50 kA	Icu @ 415Vac = 70 kA	Icu @ 415Vac = 100 kA
PR221DS-LS/I	320-800A	1SDA060273R1	1SDA060283R1	1SDA060294R1	1SDA060305R1
PR222DS/P-LSI*	320-800A	1SDA060275R1	1SDA060285R1	1SDA060296R1	1SDA060307R1

T6 1000 – Fixed (F) – 3 Poles

Electronic trip unit	In	N	S	H	L
		Icu @ 415Vac = 36kA	Icu @ 415Vac = 50 kA	Icu @ 415Vac = 70 kA	Icu @ 415Vac = 100 kA
PR221DS-LS/I	400-1000A	1SDA060537R1	1SDA060547R1	1SDA060561R1	1SDA060574R1
PR222DS/P-LSI	400-1000A	1SDA060539R1	1SDA060552R1	1SDA060563R1	1SDA060576R1

T6 1000 – Fixed (F) – 4 Poles

Electronic trip unit	In	N	S	H	L
		Icu @ 415Vac = 36kA	Icu @ 415Vac = 50 kA	Icu @ 415Vac = 70 kA	Icu @ 415Vac = 100 kA
PR221DS-LS/I	400-1000A	1SDA060542R1	1SDA060556R1	1SDA060566R1	1SDA060580R1
PR222DS/P-LSI*	400-1000A	1SDA060544R1	1SDA060558R1	1SDA060568R1	1SDA060582R1

T6D – Switch-disconnector – Fixed (F)

Type	Iu	3 Poles	4 Poles
T6D 630	630	1SDA060343R1	1SDA060344R1
T6D 800	800	1SDA060345R1	1SDA060346R1
T6D 1000	1000	1SDA060594R1	1SDA060595R1

* The above disconnector rating is based on AC22 conditions

Moulded Case Circuit Breakers for Power Distribution

3.8 Tmax T4/T5/T6/T7

Function: Protection and control of the circuits against overloads and short-circuit for power distribution.
All Tmax circuit breakers are suitable for current limiting in standard release.

Application: Power distribution for commercial and industrial installations.



T7 800 – Fixed (F) – 3 Poles – Front terminals (F)

Electronic trip unit	In	S	H	L
		Icu @ 415Vac = 50 kA	Icu @ 415Vac = 70 kA	Icu @ 415Vac = 120 kA
PR231/P LS/I	320-800A	1SDA061963R1	1SDA062642R1	1SDA062674R1
PR232/P LSI*	320-800A	1SDA061964R1	1SDA062643R1	1SDA062675R1
PR332/P LI*	320-800A	1SDA061966R1	1SDA062645R1	1SDA062677R1
PR332/P LSI*	320-800A	1SDA061967R1	1SDA062646R1	1SDA062678R1



T7 800 – Fixed (F) – 4 Poles – Front terminals (F)

Electronic trip unit	In	S	H	L
		Icu @ 415Vac = 50 kA	Icu @ 415Vac = 70 kA	Icu @ 415Vac = 120 kA
PR231/P LS/I*	320-800A	1SDA061973R1	1SDA062650R1	1SDA062682R1
PR232/P LSI*	320-800A	1SDA061974R1	1SDA062651R1	1SDA062683R1
PR332/P LI*	320-800A	1SDA061976R1	1SDA062653R1	1SDA062685R1
PR332/P LSI*	320-800A	1SDA061977R1	1SDA062654R1	1SDA062686R1



T7 1000 – Fixed (F) – 3 Poles – Front terminals (F)

Electronic trip unit	In	S	H	L
		Icu @ 415Vac = 50 kA	Icu @ 415Vac = 70 kA	Icu @ 415Vac = 120 kA
PR231/P LS/I	400-1000A	1SDA062738R1	1SDA062770R1	1SDA062802R1
PR232/P LSI*	400-1000A	1SDA062739R1	1SDA062771R1	1SDA062803R1
PR332/P LI*	400-1000A	1SDA062741R1	1SDA062773R1	1SDA062805R1
PR332/P LSI*	400-1000A	1SDA062742R1	1SDA062774R1	1SDA062806R1



T7 1000 – Fixed (F) – 4 Poles – Front terminals (F)

Electronic trip unit	In	S	H	L
		Icu @ 415Vac = 50 kA	Icu @ 415Vac = 70 kA	Icu @ 415Vac = 120 kA
PR231/P LS/I*	400-1000A	1SDA062746R1	1SDA062778R1	1SDA062810R1
PR232/P LSI*	400-1000A	1SDA062747R1	1SDA062779R1	1SDA062811R1
PR332/P LI*	400-1000A	1SDA062749R1	1SDA062781R1	1SDA062813R1
PR332/P LSI*	400-1000A	1SDA062750R1	1SDA062782R1	1SDA062814R1



T7 1250 – Fixed (F) – 3 Poles – Front terminals (F)

Electronic trip unit	In	S	H	L
		Icu @ 415Vac = 50 kA	Icu @ 415Vac = 70 kA	Icu @ 415Vac = 120 kA
PR231/P LS/I	500-1250A	1SDA062866R1	1SDA062898R1	1SDA062930R1
PR232/P LSI*	500-1250A	1SDA062867R1	1SDA062899R1	1SDA062931R1
PR332/P LI*	500-1250A	1SDA062869R1	1SDA062901R1	1SDA062933R1
PR332/P LSI*	500-1250A	1SDA062870R1	1SDA062902R1	1SDA062934R1



T7 1250 – Fixed (F) – 4 Poles – Front terminals (F)

Electronic trip unit	In	S	H	L
		Icu @ 415Vac = 50 kA	Icu @ 415Vac = 70 kA	Icu @ 415Vac = 120 kA
PR231/P LS/I	500-1250A	1SDA062874R1	1SDA062906R1	1SDA062938R1
PR232/P LSI*	500-1250A	1SDA062875R1	1SDA062907R1	1SDA062939R1
PR332/P LI*	500-1250A	1SDA062877R1	1SDA062909R1	1SDA062941R1
PR332/P LSI*	500-1250A	1SDA062878R1	1SDA062910R1	1SDA062942R1

Moulded Case Circuit Breakers for Power Distribution

3.8 Tmax T4/T5/T6/T7

Function: Protection and control of the circuits against overloads and short-circuit for power distribution.
All Tmax circuit breakers are suitable for current limiting in standard release.

Application: Power distribution for commercial and industrial installations.



T7 1600 – Fixed (F) – 3 Poles – Front terminals (F)

Electronic trip unit	In	S	H	L
		Icu @ 415Vac = 50 kA	Icu @ 415Vac = 70 kA	Icu @ 415Vac = 120 kA
PR231/P LS/I	640-1600A	1SDA062994R1	1SDA063026R1	1SDA063058R1
PR232/P LSI*	640-1600A	1SDA062995R1	1SDA063027R1	1SDA063059R1
PR332/P LI*	640-1600A	1SDA062997R1	1SDA063029R1	1SDA063061R1
PR332/P LSI*	640-1600A	1SDA062998R1	1SDA063030R1	1SDA063062R1



T7 1600 – Fixed (F) – 4 Poles – Front terminals (F)

Electronic trip unit	In	S	H	L
		Icu @ 415Vac = 50 kA	Icu @ 415Vac = 70 kA	Icu @ 415Vac = 120 kA
PR231/P LS/I	640-1600A	1SDA063002R1	1SDA063034R1	1SDA063066R1
PR232/P LSI*	640-1600A	1SDA063003R1	1SDA063035R1	1SDA063067R1
PR332/P LI*	640-1600A	1SDA063005R1	1SDA063037R1	1SDA063069R1
PR332/P LSI*	640-1600A	1SDA063006R1	1SDA063038R1	1SDA063070R1

T7D – Switch-disconnector – Fixed (F)

Type	Iu	3 Poles	4 Poles
T7D 1000	1000	1SDA062032R1	1SDA062033R1
T7D 1250	1250	1SDA062036R1	1SDA062037R1
T7D 1600	1600	1SDA062040R1	1SDA062041R1

* The above disconnector rating is based on AC22 conditions



T7M – Fixed (F) – 3 Poles – Front terminals (F)

Electronic trip unit	In	S	H	L
		Icu @ 415Vac = 50 kA	Icu @ 415Vac = 70 kA	Icu @ 415Vac = 120 kA
PR231/P LS/I	320-800A	1SDA061981R1	1SDA062658R1	1SDA062690R1
PR231/P LS/I	400-1000A	1SDA062754R1	1SDA062786R1	1SDA062818R1
PR231/P LS/I	500-1250A	1SDA062882R1	1SDA062914R1	1SDA062946R1
PR231/P LS/I	640-1600A	1SDA063010R1	1SDA063042R1	1SDA063074R1



T7M – Fixed (F) – 4 Poles – Front terminals (F)

Electronic trip unit	In	S	H	L
		Icu @ 415Vac = 50 kA	Icu @ 415Vac = 70 kA	Icu @ 415Vac = 120 kA
PR231/P LS/I*	320-800A	1SDA061989R1	1SDA062666R1	1SDA062698R1
PR231/P LS/I*	400-1000A	1SDA062762R1	1SDA062794R1	1SDA062826R1
PR231/P LS/I	500-1250A	1SDA062890R1	1SDA062922R1	1SDA062954R1
PR231/P LS/I	640-1600A	1SDA063018R1	1SDA063050R1	1SDA063082R1

T7M – Switch-disconnector – Fixed (F)

Type	Iu	3 Poles	4 Poles
T7D 1000 M	1000	1SDA062034R1	1SDA062035R1
T7D 1250 M	1250	1SDA062038R1	1SDA062039R1
T7D 1600 M	1600	1SDA062042R1	1SDA062043R1

* The above disconnector rating is based on AC22 conditions

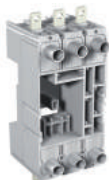
Moulded Case Circuit Breakers for Power Distribution

3.9 Tmax T4/T5/T6/T7 Accessories

Function: Protection and control of the circuits against overloads and short-circuit for power distribution.
All Tmax circuit breakers are suitable for current limiting in standard release.

Application: Power distribution for commercial and industrial installations.

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Fixed Parts, Conversion Kit and Accessories for Fixed Parts

Description	Order Code	Number of Poles	Item Description	For use with
T4 FPEF*	1SDA054737R1	3	Fixed plug -in base	T4
Kit P MP T4*	1SDA054839R1	3	Conversion kit for the MCCB to plug-in	T4
T5 400P FP EF*	1SDA054749R1	3	Fixed plug -in base	T5 400
Kit P MP T5 400*	1SDA054843R1	3	Conversion kit for the MCCB to plug-in	T5 400
T5 630 P FP EF*	1SDA054762R1	3	Fixed plug -in base	T5 630
Kit P MP T5 630*	1SDA054847R1	3	Conversion kit for the MCCB to plug-in	T5 630
FLD T4-T5 F/P	1SDA054944R1	3	Front lever operating mechanism	T4,T5



Shunt Opening release

Description	Order Code	For use with
SOR-C 24-30V AC/DC	1SDA054870R1	T4/ T5/ T6
SOR-C 110-127V AC / 110-125V DC	1SDA054872R1	T4/ T5/ T6
SOR-C 220-240V AC / 220-250V DC	1SDA054873R1	T4/ T5/ T6
SOR-C 380-440V AC	1SDA054874R1	T4/ T5/ T6
SOR-C 480-525V AC*	1SDA054875R1	T4/ T5/ T6
SOR-C 24-30V AD/DC	1SDA062065R1	T7/ T7M
SOR-C 110-120V AC / DC	1SDA062069R1	T7/ T7M
SOR-C 220-240V AC / DC	1SDA063548R1	T7/ T7M
SOR-C 380-440V AC*	1SDA062071R1	T7/ T7M

Shunt Closing release

Description	Order Code	For use with
SOR-C 24-30V AD/DC	1SDA062076R1	T7M
SOR-C 110-120V AC / DC	1SDA062080R1	T7M
SOR-C 240-250V AC /DC*	1SDA062081R1	T7M
SOR-C 380-440V AC*	1SDA062082R1	T7M



Under voltage release

Description	Order Code	For use with
UVR-C 24-30V AC/DC	1SDA054887R1	T4/ T5 T6
UVR-C 110-127V AC / 110-125V DC	1SDA054890R1	T4/ T5 T6
UVR-C 220-240V AC / 220-250V DC	1SDA054891R1	T4/ T5 T6
UVR-C 380-440V AC*	1SDA054892R1	T4/ T5 T6
UVR-C 480-525V AC*	1SDA054893R1	T4/ T5 T6
UVR-C 24-30V AC/DC	1SDA062087R1	T7/ T7M
UVR -C 110-120V AC/DC*	1SDA062091R1	T7/ T7M
UVR-C 220-240V AC / DC	1SDA063552R1	T7 / T7M
UVR-C 380-440V AC*	1SDA062093R1	T7/ T7M



Delay Device Under voltage release

Description	Order Code	For use with
UVD 24-30V AC/DC*	1SDA051357R1	T4/ T5 T6
UVD 110-125V AC/DC	1SDA051360R1	T4/ T5 T6
UVD 220-250V AC/DC	1SDA051361R1	T4/ T5 T6
UVD 24-30V AC/DC*	1SDA038316R1	T7/ T7M
UVD 110-125V AC/DC	1SDA038319R1	T7/ T7M
UVD 220-250V AC/DC	1SDA038320R1	T7/ T7M

Auxiliary contacts – AUX

Description	Order Code	For use with
AUX-C 1Q+1SY 250V	1SDA054910R1	T4/T5/T6
AUX-C 3Q+1SY 250V	1SDA054911R1	T4/T5/T6
AUX-C 1Q+1SY 400V*	1SDA054912R1	T4/T5/T6
AUX-C 2Q 400V	1SDA054913R1	T4/T5/T6
AUX 2Q 400 V AC	1SDA062102R1	T7/T7M
AUX 2Q 24 V AC	1SDA062101R1	T7/T7M
AUX-SA 1 S51 T7-T7M 250 V	1SDA063553R1	T7M



E & O.E. Terms & Conditions apply.

Moulded Case Circuit Breakers for Power Distribution

3.9 Tmax T4/T5/T6/T7 Accessories

Function: Protection and control of the circuits against overloads and short-circuit for power distribution.
All Tmax circuit breakers are suitable for current limiting in standard release.

Application: Power distribution for commercial and industrial installations.

Motor Operators -MOE

Description	Order Code	For use with
MOE 24V DC	1SDA054894R1	T4/T5
MOE 24V DC	1SDA060395R1	T6
MOE 110 - 125V AC / DC*	1SDA054896R1	T4/T5
MOE 110 - 125V AC / DC	1SDA060397R1	T6
MOE 220 - 250V AC / DC	1SDA054897R1	T4/T5
MOE 220 - 250V AC / DC	1SDA060398R1	T6
MOE 380V AC*	1SDA054898R1	T4/T5
MOE 380V AC*	1SDA060399R1	T6
Spring charging motor 24...30 V AC/DC	1SDA062113R1	T7M
Spring charging motor 100...130 V AC/DC*	1SDA062115R1	T7M
Spring charging motor 220...250 V AC/DC	1SDA062116R1	T7M

Rotary Handle Operating Mechanisms

Description	Order Code	For use with
RHD Normal direct handle	1SDA054926R1	T4/T5
RHD Normal direct handle	1SDA060405R1	T6
RHD Normal direct handle	1SDA062120R1	T7
RHE Normal transmitted handle	1SDA054929R1	T4/T5
RHE Normal transmitted handle	1SDA060409R1	T6
RHE Normal transmitted handle	1SDA062122R1	T7

Key Lock in open position on the circuit breaker - KLC

Description	Order Code	For use with
KLC-D - different key*	1SDA062134R1	T7
KLC-S - same key for different groups of circuit-breakers (N. 20005)	1SDA062135R1	T7
KLC-S - same key for different groups of circuit-breakers (N. 20006)*	1SDA062136R1	T7
KLC-S - same key for different groups of circuit-breakers (N. 20007)*	1SDA062137R1	T7
KLC-S - same key for different groups of circuit-breakers (N. 20008)*	1SDA062138R1	T7
KLC-R - arrangement for Ronis key lock*	1SDA062139R1	T7
KLC-P - arrangement for Profalux key lock*	1SDA062140R1	T7
KLC-D - different key*	1SDA062141R1	T7M
KLC-S - same key for different groups of circuit-breakers (N. 20005)*	1SDA062142R1	T7M
KLC-S - same key for different groups of circuit-breakers (N. 20006)	1SDA062143R1	T7M
KLC-S - same key for different groups of circuit-breakers (N. 20007)*	1SDA062144R1	T7M
KLC-S - same key for different groups of circuit-breakers (N. 20008)*	1SDA062145R1	T7M
KLC- arrangement for Ronis key lock & Profalux Lock*	1SDA062146R1	T7M

Key lock for front / Rotary Handle

Description	Order Code	For use with
KLF-D Different keys*	1SDA054939R1	T4/T5
KLF-D Different keys*	1SDA060658R1	T6
KLF-D Different keys*	1SDA063555R1	T7
KLF-S Same keys for different groups of circuit breakers (N20005)	1SDA054940R1	T4/T5
KLF-S Same keys for different groups of circuit breakers (N20005)	1SDA060659R1	T6
KLF-S Same keys for different groups of circuit breakers (N20005)	1SDA063556R1	T7
KLF-S Same keys for different groups of circuit breakers (N20006)*	1SDA054941R1	T4/T5
KLF-S Same keys for different groups of circuit breakers (N20006)*	1SDA060660R1	T6
KLF-S Same keys for different groups of circuit breakers (N20006)*	1SDA063557R1	T7
KLF-S Same keys for different groups of circuit breakers (N20007)*	1SDA054942R1	T4/T5
KLF-S Same keys for different groups of circuit breakers (N20007)*	1SDA060661R1	T6
KLF-S Same keys for different groups of circuit breakers (N20007)*	1SDA063559R1	T7
KLF-S Same keys for different groups of circuit breakers (N20008)*	1SDA054943R1	T4/T5
KLF-S Same keys for different groups of circuit breakers (N20008)*	1SDA060662R1	T6
KLF-S Same keys for different groups of circuit breakers (N20008)*	1SDA063559R1	T7

Moulded Case Circuit Breakers for Power Distribution

3.9 Tmax T4/T5/T6/T7 Accessories

Function: Protection and control of the circuits against overloads and short-circuit for power distribution.
All Tmax circuit breakers are suitable for current limiting in standard release.

Application: Power distribution for commercial and industrial installations.

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Key lock on the motor

Description	Order Code	For use with
MOL-D different keys*	1SDA054904R1	T4/ T5
MOL-D different keys*	1SDA060611R1	T6
MOL-S Same keys for different groups of circuit breakers (N.20005)*	1SDA066630R1	T4/T5
MOL-S Same keys for different groups of circuit breakers (N.20005)*	1SDA060612R1	T6
MOL-S Same keys for different groups of circuit breakers (N.20006)*	1SDA054906R1	T4/T5
MOL-S Same keys for different groups of circuit breakers (N.20006)*	1SDA060613R1	T6
MOL-S Same keys for different groups of circuit breakers (N.20007)*	1SDA054907R1	T4/T5
MOL-S Same keys for different groups of circuit breakers (N.20007)*	1SDA060614R1	T6
MOL-S Same keys for different groups of circuit breakers (N.20008)*	1SDA054908R1	T4/T5
MOL-S Same keys for different groups of circuit breakers (N.20008)*	1SDA060615R1	T6

Padlock on the Circuit Breaker

Description	Order Code	For use with
PPL Removable lock with padlock in open position	1SDA062150R1	T7



Mechanical Interlock

Description	Order Code	For use with
MIR-HB-Frame unit horizontal interlock	1SDA054946R1	T4/T5
MIR-VB- Frame unit vertical interlock	1SDA054947R1	T4/T5
MIR- P-Plate for interlock type A T4 (F-P-W) + T4 (F-P-W)	1SDA054948R1	T4/T5
MIR- P-Plate for interlock type B T4 (F-P-W) + T5 400 (F-P-W) or T5 630 (F)*	1SDA054949R1	T4/T5
MIR- P-Plate for interlock type C T4 (F-P-W) + T5 630 (P-W)*	1SDA054950R1	T4/T5
MIR- P-Plate for interlock type D T5 400 (F-P-W) or T5 630 + T5 400 (F-P-W) or 630 (F)	1SDA054951R1	T5
MIR- P-Plate for interlock type E T5 400 (F-P-W) or T5 630 (F) or T5 630 (F)*	1SDA054952R1	T5
MIR-P-Plate for interlock type F T5 630 (P-W) + T5 630 (P-W)*	1SDA054953R1	T5
MIR-H- Horizontal interlock	1SDA060685R1	T6
MIR - V- Vertical interlock*	1SDA060686R1	T6

Mechanical Interlock with cables between two circuit breakers

Description	Order Code	For use with
Cable kit for interlock	1SDA062127R1	T7 / T7M
Plate for fixed unit	1SDA062129R1	T7 / T7M



Terminals & Phase Barriers

Description	Order Code	For use with
EF Extended front terminals (3 pieces,Includes phase barriers)	1SDA055000R1	T4
EF Extended front terminals (3 pieces,Includes phase barriers)	1SDA055036R1	T5
EF Extended front terminals (3 pieces,Includes phase barriers)*	1SDA063103R1	T7
ES Extended front terminals (3 pieces,Includes phase barriers)*	1SDA055004R1	T4
ES Extended front terminals (3 pieces,Includes phase barriers)	1SDA055040R1	T5
ES Extended front terminals (6 pieces)	1SDA063110R1	T7
PB100 low (H=100 mm) - 4 pieces - 3p	1SDA054970R1	T4-T5
PB100 low (H=100 mm) - 6 pieces - 4p*	1SDA054971R1	T4-T5
PB200 high (H=200 mm) - 4 pieces - 3p	1SDA054972R1	T4-T5
PB200 high (H=200 mm) - 6 pieces - 4p*	1SDA054973R1	T4-T5
PB100 low (H=100 mm) - 4 pieces - 3p*	1SDA050696R1	T6
PB100 low (H=100 mm) - 6 pieces - 4p*	1SDA050697R1	T6
PB100 low (H=100 mm) - 4 pieces - 3p	1SDA054970R1	T7-T7M
PB100 low (H=100 mm) - 6 pieces - 4p*	1SDA054971R1	T7-T7M
PB200 high (H=200 mm) - 4 pieces - 3p	1SDA054972R1	T7-T7M
PB200 high (H=200 mm) - 6 pieces - 4p*	1SDA054973R1	T7-T7M

Automatic Transfer Devices

Description	Order Code	For use with
ATS021*	1SDA065523R1	T4-T7
ATS022	1SDA065524R1	T4-T7

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Moulded Case Circuit Breakers for Motor Protection

3.10 Summary Motor Protection T4/T5/T6/T7

Function: Protection and control of the circuits against overloads and short-circuit for power distribution.
All Tmax circuit breakers are suitable for current limiting in standard release.

Application: Power distribution for commercial and industrial installations.

Motor Protection			Tmax T4						
Rated uninterrupted current			[A]	250/320					
Rated service current,		In	[A]	10...320					
Poles			[No.]	3					
Rated service current,		Ue	(AC) 50-60 Hz	[V]	690				
			(DC)	[V]	750				
Rated impulse withstand voltage,		Uimp	[kV]	8					
Rated insulation voltage,		Ui	[V]	1000					
Test voltage at industrial frequency for 1 min.			[V]	3500					
Rated ultimate short-circuit breaking capacity,			Icu	N	S	H	L	V	
(AC) 50-60 Hz 220/230 V			[kA]	70	85	100	200	200	
(AC) 50-60 Hz 380/415 V			[kA]	36	50	70	120	200	
(AC) 50-60 Hz 440 V			[kA]	30	40	65	100	180	
(AC) 50-60 Hz 500 V			[kA]	25	30	50	85	150	
(AC) 50-60 Hz 690 V			[kA]	20	25	40	70	80	
Rated service short-circuit breaking capacity,			Ics						
(AC) 50-60 Hz 220/230 V			[%Icu]	100%	100%	100%	100%	100%	
(AC) 50-60 Hz 380/415 V			[%Icu]	100%	100%	100%	100%	100%	
(AC) 50-60 Hz 440 V			[%Icu]	100%	100%	100%	100%	100%	
(AC) 50-60 Hz 500 V			[%Icu]	100%	100%	100%	100%	100%	
(AC) 50-60 Hz 690 V			[%Icu]	100%	100%	100%	100%	100%	
Rated short-circuit making capacity, Icm									
(AC) 50-60 Hz 220/230 V			[kA]	154	187	220	440	660	
(AC) 50-60 Hz 380/415 V			[kA]	75.6	105	154	264	440	
(AC) 50-60 Hz 440 V			[kA]	63	84	143	220	396	
(AC) 50-60 Hz 500 V			[kA]	52.5	63	105	187	330	
(AC) 50-60 Hz 690 V			[kA]	40	52.5	84	154	176	
Opening time (415 V)			[ms]	5	5	5	5	5	
Utilisation category (IEC 60947-2)			A						
Isolation behaviour									
Reference Standard			IEC 60947-2/IEC 60947-4						
Protection against short-circuit									
Magnetic only trip unit		MA							
Electronic trip unit		MA							
		MA							
Integrated protection (IEC 60947-4-1)									
Electronic trip unit		Ekip M-LRIU							
Interchangeability									
Versions			F - P - W						
Terminals		fixed	F - FC Cu - FC CuAl - EF - ES - R - MC - HR - VR						
		plug-in	EF - ES - R - FC Cu - FC CuAl - HR - VR						
		withdrawable	EF - ES - FC Cu - FC CuAl						
Fixing on DIN rail			-						
Mechanical life		[No. operations]	20000						
		[No. Hourly operations]	240						
Electrical life @ 415 V AC		[No. operations]	8000						
		[No. Hourly operations]	120						
Basic fixed version dimensions		W [mm]	105						
		D [mm]	103.5						
		H [mm]	205						
Weight		fixed	[kg]	2.35					
		plug-in	[kg]	3.6					
		withdrawable	[kg]	3.85					

E & O.E. Terms & Conditions apply.

Moulded Case Circuit Breakers for Motor Protection

3.10 Summary Motor Protection T4/T5/T6/T7

Tmax T5					Tmax T6				Tmax T7			
400/630					630/800				800/1000/1250			
320, 400, 630					630, 800				–			
3					3				3			
690					690				690			
–					–				–			
8					8				8			
1000					1000				1000			
3500					3500				3500			
N	S	H	L	V	N	S	H	L	S	H	L	V
70	85	100	200	200	70	85	100	200	85	100	200	200
36	50	70	120	200	36	50	70	100	50	70	120	150
30	40	65	100	180	30	45	50	80	50	65	100	130
25	30	50	85	150	25	35	50	65	40	50	85	100
20	25	40	70	80	20	22	25	30	30	42	50	60
100%	100%	100%	100%	100%	100%	100%	100%	75%	100%	100%	100%	100%
100%	100%	100%	100%	100%	100%	100%	100%	75%	100%	100%	100%	100%
100%	100%	100%	100%	100%	100%	100%	100%	75%	100%	100%	100%	100%
100%	100%	100%	100% ⁽¹⁾	100% ⁽²⁾	100%	100%	100%	75%	100%	100%	75%	100%
100%	100%	100% ⁽¹⁾	100% ⁽²⁾	100% ⁽²⁾	75%	75%	75%	75%	100%	75%	75%	75%
154	187	220	440	660	154	187	220	440	187	220	440	440
75.6	105	154	264	440	75.6	105	154	220	105	154	264	330
63	84	143	220	396	63	94.5	105	176	105	143	220	286
52.5	63	105	187	330	52.5	73.5	105	143	84	105	187	220
40	52.5	84	154	176	40	46	52.5	63	63	88.2	105	132
6	6	6	6	6	10	9	8	7	15	10	8	8
B (400 A) ⁽³⁾ - A (630 A)					B ⁽⁴⁾				B ⁽⁵⁾			
IEC 60947-2/IEC 60947-4					IEC 60947-2/IEC 60947-4				IEC 60947-2			
–					–				–			
–					–				–			
–					–				–			
F - P - W					F - W				F - W			
F - FC Cu - FC CuAl - EF - ES - R - HR - VR					F - FC CuAl - EF - ES - R - RC				F - EF - ES - FC CuAl - HR/VR			
EF - ES - R - FC Cu - FC CuAl - HR - VR					–				–			
EF - ES - FC Cu - FC CuAl					EF - HR - VR				EF - HR/VR - ES - RS			
–					–				–			
20000					20000				10000			
120					120				60			
7000					5000				2000 (S, H, L versions) / 3000 (V version)			
60					60				60			
140					210				210			
103.5					103.5				154 (manual) /178 (motorizable)			
205					268				268			
3.25					9.5/12				9.7/12.5 (manual) - 11/14 (motorizable)			
5.15					–				–			
5.4					12.1/15.1				29.7/39.6 (manual) - 32/42.6(motorizable)			

E & O.E. Terms & Conditions apply.

Moulded Case Circuit Breakers for Motor Protection

3.11 Motor Protection T4/T5/T6

Function: Protection and control of the circuits against overloads and short-circuit for power distribution.
All Tmax circuit breakers are suitable for current limiting in standard release.

Application: Power distribution for commercial and industrial installations.

T4 250 – Fixed (F) – 3 Poles – Front terminals (F)

Magnetic only trip unit – MA	In	Short Circuit Current	L
			Icu @ 415Vac = 120 kA
MA*	10	60-140A	1SDA055074R1
MA*	25	150-350A	1SDA055075R1
MA*	52	312-728A	1SDA055076R1
MA*	80	480-1120A	1SDA054308R1
MA*	100	600-1400A	1SDA054309R1
MA*	125	750-1750A	1SDA054310R1
MA*	160	960-2240A	1SDA054311R1
MA*	200	1200-2800A	1SDA054312R1

Electronic trip unit	In	Short Circuit Current	L	V
			Icu @ 415Vac = 120 kA	Icu @ 415Vac = 200 kA
PR221DS-I*	100	100-1000A	1SDA054072R1	1SDA054096R1
PR221DS-I*	160	160-1600A	1SDA054073R1	1SDA054097R1
PR221DS-I*	250	250-2500A	1SDA054074R1	1SDA054098R1

T5 400 – Fixed (F) – 3 Poles – Front terminals (F)

Electronic trip unit	In	Short Circuit Current	L	V
			Icu @ 415Vac = 120 kA	Icu @ 415Vac = 200 kA
PR221DS-I*	320	320-3200A	1SDA054366R1	1SDA54382R1
PR221DS-I*	400	400-4000A	1SDA054367R1	1SDA54383R1

T5 630 – Fixed (F) – 3 Poles – Front terminals (F)

Electronic trip unit	In	Short Circuit Current	H	L	V
			Icu @ 415Vac = 70 kA	Icu @ 415Vac = 120 kA	Icu @ 415Vac = 200 kA
PR221DS-I*	630	630-6300A	1SDA054413R1	1SDA054421R1	1SDA054429R1

Moulded Case Circuit Breakers for use up to 1150V AC and 1000V DC

3.12 Summary 1000V T4-T6

Function:

Application:

Protection and control of the circuits against overloads and short-circuit for power distribution.
All Tmax circuit breakers are suitable for current limiting in standard release.
Power distribution for commercial and industrial installations.

T4-T5 circuit-breakers for use up to 1150 V AC and T6 circuit-breakers for use up to 1000 V AC

		Tmax T4		Tmax T5		Tmax T6	
Rated uninterrupted current		[A]	250		400/630		630/800
	Poles		3, 4		3, 4		3, 4
Rated service voltage, Ue	(AC) 50-60 Hz	[V]	1000	1150	1000	1150	1000
Rated impulse withstand voltage,	Uimp	[kV]	8		8		8
Rated insulation voltage, Ui		[V]	1000	1150	1000	1150	1000
Test voltage at power frequency for 1 min.		[V]	3500		3500		3500
Rated ultimate short-circuit breaking capacity, Icu			L	V ⁽¹⁾	L	V ⁽¹⁾	L ⁽¹⁾
	(AC) 50-60 Hz 1000 V	[kA]	12	20	12	20	12
	(AC) 50-60 Hz 1150 V	[kA]		12		12	
Rated service short-circuit breaking capacity, Ics							
	(AC) 50-60 Hz 1000 V	[kA]	12	12	10	10	6
	(AC) 50-60 Hz 1150 V	[kA]		6		6	
Rated short-circuit making capacity, Icm							
	(AC) 50-60 Hz 1000 V	[kA]	24	40	24	40	24
	(AC) 50-60 Hz 1150 V	[kA]		24		24	
Category of use (IEC 60947-2)			A		B (400 A) ⁽²⁾ - A (630 A)		B ⁽³⁾
Behaviour on isolation			■		■		■
Reference Standards			IEC 60947-2		IEC 60947-2		IEC 60947-2
Thermomagnetic releases	TMD			■			
	TMA			■		■	■
Electronic trip units	PR221DS/ LS/I		■	■	■	■	■
	PR221DS/I		■	■	■	■	■
	PR222DS/P_ LSI		■	■	■	■	■
	PR222DS/P_ LSIG		■	■	■	■	■
	PR222DS/ PD_LSI		■	■	■	■	■
	PR222DS/ PD_LSIG		■	■	■	■	■
	Ekip M-LRIU		■		■		
	PR223EF		■		■		■
Terminals			FC Cu - F* - EF*		FC Cu - F* - EF*		F - FC CuAl** - R - EF* - ES*
Version			F, P, W	F	F, P, W ⁽⁴⁾	F	F ⁽⁵⁾
Mechanical life	[No. operations]		20000		20000		20000
	[No. hourly operations]		240		120		120
Basic fixed dimensions ⁽⁶⁾	3 poles	W [mm]	105		140		210
	4 poles	W [mm]	140		184		280
		D [mm]	103.5		103.5		103.5
		H [mm]	205		205		268
Weight	fixed	3/4 poles	[kg]	2.35 / 3.05	2.35 / 3.05	3.25 / 4.15	3.25 / 4.15
	plug-in	3/4 poles	[kg]	3.6 / 4.65		5.15 / 6.65	
	withdrawable	3/4 poles	[kg]	3.85 / 4.9		5.4 / 6.9	

TERMINAL CAPTION
F = Front
FC Cu = Front copper cables
FC CuAl = Front for copper
cables CuAl

R = Rear
F = Fixed circuit-breakers
P = Plug-in circuit breakers
W = Withdrawable circuit-
breakers

⁽¹⁾ Power supply only
from the top
⁽²⁾ Icw = 5 kA
⁽³⁾ Icw = 7.6 kA (630 A) -
10 kA (800 A)

⁽⁴⁾ Tmax T5 630 is only
available in the
fixed version
⁽⁵⁾ For T6 in the
withdrawable version,
please ask ABB SACE

⁽⁶⁾ Circuit-breaker
without terminal
covers
* Ordering extracodes
** Ordering standard
1SDA0 codes

Moulded Case Circuit Breakers for use up to 1150V AC and 1000V DC

3.13 Tmax T4-T6

3

Function: Protection and control of the circuits against overloads and short-circuit for power distribution.
All Tmax circuit breakers are suitable for current limiting in standard release.

Application: Power distribution for commercial and industrial installations.



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

T4 250 – Fixed (F) – 3 Poles – Front terminals for copper cables (FC Cu)

Thermomagnetic trip unit - TMD and TMA	In	V
		Icu@1000V AC = 20kA Icu@1150V AC=12kA
TMD	22-32A	1SDA063410R1
TMD	36-52A	1SDA063411R1
TMA	56-80A	1SDA063412R1
TMA	70-100A	1SDA063413R1
TMA	87-125A	1SDA063414R1
TMA	112-160A	1SDA063415R1
TMA	140-200A	1SDA063416R1
TMA	175-250A	1SDA063417R1

T4 250 – Fixed (F) – 4 Poles - Front terminals for copper cables (FC Cu) - DC Breaker

Thermomagnetic trip unit - TMD and TMA	In	V
		Icu@1000V DC=40kA Icu@1000V AC=20kA Icu@1150V AC=12kA
TMD*	22-32A	1SDA054497R1
TMD*	35-50A	1SDA054498R1
TMD*	56-80A	1SDA054499R1
TMD*	70-100A	1SDA054500R1
TMD*	87-125A	1SDA054501R1
TMD*	112-160A	1SDA054502R1
TMD*	140-200A	1SDA054503R1
TMD*	175-250A	1SDA054504R1

Note: For DC applications only TMA releases are available



T4 250 – Fixed (F) – 3 Poles – Front terminals for copper cables (FC Cu)

Electronic trip unit	In	L	V
		Icu@1000V AC = 12kA	Icu@1000V AC = 20kA Icu@1150V AC=12kA
PR221DS-LS/I	40-100A	1SDA054505R1	1SDA054513R1
PR221DS-LS/I	100-250A	1SDA054509R1	1SDA054517R1

T4 250 – Fixed (F) – 3 Poles – Front terminals for copper cables (FC Cu)

Electronic trip unit	In	L	V
		Icu@1000V AC = 12kA	Icu@1000V AC = 20kA Icu@1150V AC=12kA
PR221DS-LS/I*	224-320A	1SDA063477R1	1SDA063485R1
PR221DS-LS/I	280-400A	1SDA054535R1	1SDA054539R1

Note: For DC applications only TMA releases are available



T5 400 – Fixed (F) – 3 Poles – Front terminals for copper cables (FC Cu)

Thermomagnetic trip unit -TMA	In	V
		Icu@1000V AC = 20kA Icu@1150V AC=12kA
TMA*	224-320A	1SDA063437R1
TMA*	280-400A	1SDA063438R1

Moulded Case Circuit Breakers for use up to 1150V AC and 1000V DC

3.13 Tmax T4-T6

T5 400 – Fixed (F) – 4 Poles - Front terminals for copper cables (FC Cu)

Thermomagnetic trip unit -TMA	In	V
		Icu@1000V AC = 20kA Icu@1150V AC=12kA
TMA*	224-320A	1SDA054531R1
TMA*	280-400A	1SDA054532R1

Note: For DC applications only TMA releases are available



T5 630 – Fixed (F) – 3 Poles – Front terminals for copper cables (FC Cu)

Thermomagnetic trip unit -TMA	In	V
		Icu@1000V AC = 20kA Icu@1150V AC=12kA
TMA	350-500A	1SDA063439R1

Note: For DC applications only TMA releases are available



T5 630 – Fixed (F) – 3 Poles – Front terminals for copper cables (FC Cu)

Electronic trip unit	In	L	V
		Icu@1000V AC = 12kA	Icu@1000V AC = 20kA Icu@1150V AC=12kA
PR221DS-LS/I	252-630A	1SDA054543R1	1SDA054547R1

Note: For DC applications only TMA releases are available

T5 630 – Fixed (F) – 4 Poles - Front terminals for copper cables (FC Cu)

Thermomagnetic trip unit -TMA	In	V
		Icu@1000V AC=20kA Icu@1150V AC=12kA Icu@1000V DC=40kA
TMA*	350-500A	1SDA054533R1



T6 630/800 – Fixed (F) – 3 Poles – Front terminals (F)

Electronic trip unit	In	L
		Icu@1000V AC = 12kA
PR221DS-LS/I*	252-630A	1SDA060319R1
PR221DS-LS/I	320-800A	1SDA060323R1

Note: For DC applications only TMA releases are available

Automatic Circuit Breakers for Emax2

3.14 SACE Emax2 Summary

Common data

Rated Service Voltage Ue	[V]	690
Rated insulation voltage U	[V]	1000
Rated impulse withstand voltage Uimp	[kV]	12
Frequency	[Hz]	50 - 60
Number of Poles		3 - 4
Version		Fixed - Withdrawable
Suitable for isolation according to		IEC 60947-2



SACE Emax2			E1.2			
Performance levels			B	C	N	L
Rated uninterrupted current Iu @ 40°C		[A]	630	630	250	630
		[A]	800	800	630	800
		[A]	1000	1000	800	1000
		[A]	1250	1250	1000	1250
		[A]	1600	1600	1250	
		[A]			1600	
		[A]				
Neutral pole current-carrying capacity for 4-pole CBs		%Iu	100	100	100	100
Rated ultimate short-circuit breaking capacity Icu	400-415 V	[kA]	42	50	66	150
	440 V	[kA]	42	50	66	130
	500-525 V	[kA]	42	42	50	100
	690 V	[kA]	42	42	50	60
Rated service short-circuit breaking capacity Ics		[%Icu]	100	100	100 ⁽¹⁾	100
Rated short-time withstand current Icw	(1s)	[kA]	42	42	50	15
	(3s)	[kA]	24	24	30	-
Rated short-circuit making capacity (peak value) Icm	400-415 V	[kA]	88	105	145	330
	440 V	[kA]	88	105	145	286
	500-525 V	[kA]	88	88	105	220
	690 V	[kA]	88	88	105	132
Utilization category (according to IEC 60947-2)			B	B	B	A
Breaking	Breaking time for I<Icw	[ms]	40	40	40	40
	Breaking time for I<Icw	[ms]	25	25	25	10
Dimensions	H - Fixed/Withdrawable	[mm]	296/363.5	296/363.5	296/363.5	296/363.5
	D - Fixed/Withdrawable	[mm]	183/271	183/271	183/271	v
	W - Fixed 3p/4p/4p FS	[mm]	210/280			
	W - Withdrawable 3p/4p/4p FS	[mm]	278/348			
Weights (CB with trip unit and current sensor)	Fixed 3p/4p	Kg	14/16			
	Withdrawable 3p/4p/4p FS including fixed part	Kg	38/43			

1) Ics : 50kA for 400V...440V voltage; 2) Ics: 125kA for 400V...440V voltage; 3) E4.2H 3200A: 66 Icw (3s)

SACE Emax2			E1.2			
Mechanical and electrical life with regular ordinary maintenance prescribed by the manufacturer		[Iu]	≤1000	1250	1600	1250 L
		[No. cycles x 1000]	20	20	20	20
	Frequency	[Oper./Hour]	60	60	60	60
Electrical life	440 V	[No. cycles x 1000]	8	8	8	3
	690 V	[No. cycles x 1000]	8	6.5	6.5	1
	Frequency	[Oper./Hour]	30	30	30	30

E & O.E. Terms & Conditions apply.

Automatic Circuit Breakers for Emax2

3.14 SACE Emax2 Summary



E2.2				E4.2				E6.2		
B	N	S	H	N	S	H	V	H	V	X
1600	800	250	800	3200	3200	3200	2000	4000	4000	4000
2000	1000	800	1000	4000	4000	4000	2500	5000	5000	5000
		1250	1000				3200	6300	6300	6300
		1600	1250				4000			
	2000	1600	2000							
	2000	2000	2500							
		2500								
100	100	100	100	100	100	100	100	50-100	50-100	50-100
42	66	85	100	66	85	100	150	100	150	150
42	66	85	100	66	85	100	150	100	150	150
42	66	66	85	66	66	85	100	100	130	130
42	66	66	85	66	66	85	100	100	100	100
100	100	100	100	100	100	100	100 ⁽²⁾	100	100	100
42	66	66	85	66	66	85	100	100	100	120
42	50	50	66	50	66	75 ⁽¹⁾	75	100	100	100
88	145	187	220	145	187	220	330	220	330	440
88	145	187	220	145	187	220	330	220	330	440
88	145	145	187	145	145	187	220	220	286	286
88	145	145	187	145	145	187	220	220	220	264
B	B	B	B	B	B	B	B	B	B	B
40	40	40	40	40	40	40	40	40	40	40
25	25	25	25	25	25	25	25	25	25	25
371/425	371/425	371/425	371/425	371/425	371/425	371/425	371/425	371/425	371/425	371/425
270/383	270/383	270/383	270/383	270/383	270/383	270/383	270/383	270/383	270/383	270/383
276/366				384/510				762/888/1014		
317/407				425/551				803/929/1069		
41/53				56/70				109/125/140		
84/99				110/136				207/234/260		

E2.2				E4.2				E6.2		
<1600	1600	2000	2500	<2500	2500	3200	4000	4000	5000	6300
25	25	25	20	20	20	20	15	12	12	12
60	60	60	60	60	60	60	60	60	60	60
15	12	10	8	10	8	7	5	4	3	2
15	10	8	7	10	8	7	4	4	2	2
30	30	30	30	20	20	20	20	10	10	10

E & O.E. Terms & Conditions apply.

Automatic Circuit Breakers for Emax2

3.15 SACE Emax2 – Fixed Version for Power Distribution

3



SACE Emax2 E1.2B-C Front terminals (F)

Size	Iu	Icu (440 V)	Icw (1s)	Type	3 Poles	4 Poles
					Code	Code
E1.2B	630	42	42	E1.2B 630 Ekip Touch LI	1SDA070704R1	1SDA071334R1
				E1.2B 630 Ekip Touch LSI*	1SDA070705R1	1SDA071335R1
				E1.2B 630 Ekip Touch LSIG*	1SDA070706R1	1SDA071336R1
	800	42	42	E1.2B 800 Ekip Touch LI	1SDA070744R1	1SDA071374R1
				E1.2B 800 Ekip Touch LSI*	1SDA070745R1	1SDA071375R1
				E1.2B 800 Ekip Touch LSIG*	1SDA070746R1	1SDA071376R1
	1000	42	42	E1.2B 1000 Ekip Touch LI	1SDA070784R1	1SDA071414R1
				E1.2B 1000 Ekip Touch LSI*	1SDA070785R1	1SDA071415R1
				E1.2B 1000 Ekip Touch LSIG*	1SDA070786R1	1SDA071416R1
	1250	42	42	E1.2B 1250 Ekip Touch LI	1SDA070824R1	1SDA071454R1
				E1.2B 1250 Ekip Touch LSI*	1SDA070825R1	1SDA071455R1
				E1.2B 1250 Ekip Touch LSIG*	1SDA070826R1	1SDA071456R1
	1600	42	42	E1.2B 1600 Ekip Touch LI	1SDA070864R1	1SDA071494R1
				E1.2B 1600 Ekip Touch LSI*	1SDA070865R1	1SDA071495R1
				E1.2B 1600 Ekip Touch LSIG*	1SDA070866R1	1SDA071496R1
E1.2C	630	50	42	E1.2C 630 Ekip Touch LI*	1SDA070714R1	1SDA071344R1
				E1.2C 630 Ekip Touch LSI*	1SDA070715R1	1SDA071345R1
				E1.2C 630 Ekip Touch LSIG*	1SDA070716R1	1SDA071346R1
	800	50	42	E1.2C 800 Ekip Touch LI*	1SDA070754R1	1SDA071384R1
				E1.2C 800 Ekip Touch LSI*	1SDA070755R1	1SDA071385R1
				E1.2C 800 Ekip Touch LSIG*	1SDA070756R1	1SDA071386R1
	1000	50	42	E1.2C 1000 Ekip Touch LI*	1SDA070794R1	1SDA071424R1
				E1.2C 1000 Ekip Touch LSI*	1SDA070795R1	1SDA071425R1
				E1.2C 1000 Ekip Touch LSIG*	1SDA070796R1	1SDA071426R1
	1250	50	42	E1.2C 1250 Ekip Touch LI	1SDA070834R1	1SDA071464R1
				E1.2C 1250 Ekip Touch LSI*	1SDA070835R1	1SDA071465R1
				E1.2C 1250 Ekip Touch LSIG*	1SDA070836R1	1SDA071466R1
	1600	50	42	E1.2C 1600 Ekip Touch LI	1SDA070874R1	1SDA071504R1
				E1.2C 1600 Ekip Touch LSI*	1SDA070875R1	1SDA071505R1
				E1.2C 1600 Ekip Touch LSIG*	1SDA070876R1	1SDA071506R1



SACE Emax2 E1.2N Front terminals (F)

Size	Iu	Icu (440 V)	Icw (1s)	Type	3 Poles	4 Poles
					Code	Code
E1.2N	250	66	50	E1.2N 250 Ekip Touch LI*	1SDA070694R1	1SDA071324R1
				E1.2N 250 Ekip Touch LSI*	1SDA070695R1	1SDA071325R1
				E1.2N 250 Ekip Touch LSIG*	1SDA070696R1	1SDA071326R1
	630	66	50	E1.2N 630 Ekip Touch LI	1SDA070724R1	1SDA071354R1
				E1.2N 630 Ekip Touch LSI*	1SDA070725R1	1SDA071355R1
				E1.2N 630 Ekip Touch LSIG*	1SDA070726R1	1SDA071356R1
	800	66	50	E1.2N 800 Ekip Touch LI*	1SDA070764R1	1SDA071394R1
				E1.2N 800 Ekip Touch LSI*	1SDA070765R1	1SDA071395R1
				E1.2N 800 Ekip Touch LSIG*	1SDA070766R1	1SDA071396R1
	1000	66	50	E1.2N 1000 Ekip Touch LI*	1SDA070804R1	1SDA071434R1
				E1.2N 1000 Ekip Touch LSI*	1SDA070805R1	1SDA071435R1
				E1.2N 1000 Ekip Touch LSIG*	1SDA070806R1	1SDA071436R1
	1250	66	50	E2.2N 2000 Ekip Touch LI	1SDA070844R1	1SDA071474R1
				E2.2N 2000 Ekip Touch LSI*	1SDA070845R1	1SDA071475R1
				E2.2N 2000 Ekip Touch LSIG*	1SDA070846R1	1SDA071476R1
	1600	66	50	E1.2N 1600 Ekip Touch LI	1SDA070884R1	1SDA071514R1
				E1.2N 1600 Ekip Touch LSI*	1SDA070885R1	1SDA071515R1
				E1.2N 1600 Ekip Touch LSIG*	1SDA070886R1	1SDA071516R1

E & O.E. Terms & Conditions apply.

Automatic Circuit Breakers for Emax2

3.15 SACE Emax2 – Fixed Version for Power Distribution

Switch-disconnectors:

Switch-disconnectors, identified with the abbreviation “/MS”, are devices that satisfy the isolating specifications provided by the IEC 60947-3 Standard Fixed version



SACE Emax2 E1.2B-N/MS Fixed terminals (F)

Size	Iu	Icw (1s)	Type	3 Poles	4 Poles
				Code	Code
E1.2B/MS	630	42	E1.2B/MS 630	1SDA073392R1	1SDA073431R1
	800		E1.2B/MS 800	1SDA073394R1	1SDA073433R1
	1000		E1.2B/MS 1000*	1SDA073396R1	1SDA073435R1
	1250		E1.2B/MS 1250	1SDA073398R1	1SDA073437R1
	1600		E1.2B/MS 1600	1SDA073400R1	1SDA073439R1
E1.2N/MS	250	50	E1.2N/MS 250*	1SDA073391R1	1SDA073430R1
	630		E1.2N/MS 630*	1SDA073393R1	1SDA073432R1
	800		E1.2N/MS 800*	1SDA073395R1	1SDA073434R1
	1000		E1.2N/MS 1000	1SDA073397R1	1SDA073436R1
	1250		E1.2N/MS 1250	1SDA073399R1	1SDA073438R1
	1600		E1.2N/MS 1600	1SDA073401R1	1SDA073440R1



SACE Emax2 E2.2B-N Orientable rear terminals (HR)

Size	Iu	Icu (440 V)	Icw (1s)	Type	3 Poles	4 Poles
					Code	Code
E2.2B	1600	42	42	E2.2B 1600 Ekip Touch LI	1SDA070984R1	1SDA071614R1
				E2.2B 1600 Ekip Touch LSI*	1SDA070985R1	1SDA071615R1
				E2.2B 1600 Ekip Touch LSIG*	1SDA070986R1	1SDA071616R1
	2000	42	42	E2.2B 2000 Ekip Touch LI	1SDA071024R1	1SDA071654R1
				E2.2B 2000 Ekip Touch LSI*	1SDA071025R1	1SDA071655R1
				E2.2B 2000 Ekip Touch LSIG*	1SDA071026R1	1SDA071656R1
E2.2N	800	66	66	E2.2N 800 Ekip Touch LI*	1SDA070894R1	1SDA071524R1
				E2.2N 800 Ekip Touch LSI*	1SDA070895R1	1SDA071525R1
				E2.2N 800 Ekip Touch LSIG*	1SDA070896R1	1SDA071526R1
	1000	66	66	E2.2N 1000 Ekip Touch LI*	1SDA070924R1	1SDA071554R1
				E2.2N 1000 Ekip Touch LSI*	1SDA070925R1	1SDA071555R1
				E2.2N 1000 Ekip Touch LSIG*	1SDA070926R1	1SDA071556R1
	1250	66	66	E2.2N 1250 Ekip Touch LI	1SDA070954R1	1SDA071584R1
				E2.2N 1250 Ekip Touch LSI*	1SDA070955R1	1SDA071585R1
				E2.2N 1250 Ekip Touch LSIG*	1SDA070956R1	1SDA071586R1
	1600	66	66	E2.2N 1600 Ekip Touch LI	1SDA070994R1	1SDA071624R1
				E2.2N 1600 Ekip Touch LSI*	1SDA070995R1	1SDA071625R1
				E2.2N 1600 Ekip Touch LSIG*	1SDA070996R1	1SDA071626R1
	2000	66	66	E2.2N 2000 Ekip Touch LI	1SDA071034R1	1SDA071664R1
				E2.2N 2000 Ekip Touch LSI*	1SDA071035R1	1SDA071665R1
				E2.2N 2000 Ekip Touch LSIG*	1SDA071036R1	1SDA071666R1
	2500	66	66	E2.2N 2500 Ekip Touch LI	1SDA071064R1	1SDA071694R1
				E2.2N 2500 Ekip Touch LSI*	1SDA071065R1	1SDA071695R1
				E2.2N 2500 Ekip Touch LSIG*	1SDA071066R1	1SDA071696R1

Automatic Circuit Breakers for Emax2

3.15 SACE Emax2 – Fixed Version for Power Distribution

Switch-disconnectors:

Switch-disconnectors, identified with the abbreviation “/MS”, are devices that satisfy the isolating specifications provided by the IEC 60947-3 Standard Fixed version



SACE Emax E2.2B-N-H/MS Orientable rear terminals (HR)

Size	Iu	Icw (1s)	Type	3 Poles	4 Poles
				Code	Code
E2.2B/MS	1600	42	E2.2B/MS 1600	1SDA073408R1	1SDA073447R1
	2000		E2.2B/MS 2000	1SDA073411R1	1SDA073450R1
E2.2N/MS	800	66	E2.2N/MS 800*	1SDA073402R1	1SDA073441R1
	1000		E2.2N/MS 1000*	1SDA073404R1	1SDA073443R1
	1250		E2.2N/MS 1250*	1SDA073406R1	1SDA073445R1
	1600		E2.2N/MS 1600*	1SDA073409R1	1SDA073448R1
	2000		E2.2N/MS 2000	1SDA073412R1	1SDA073451R1
	2500		E2.2N/MS 2500	1SDA073414R1	1SDA073453R1
E2.2H/MS	800	85	E2.2H/MS 800*	1SDA073403R1	1SDA073442R1
	1000		E2.2H/MS 1000*	1SDA073405R1	1SDA073444R1
	1250		E2.2H/MS 1250*	1SDA073407R1	1SDA073446R1
	1600		E2.2H/MS 1600*	1SDA073410R1	1SDA073449R1
	2000		E2.2H/MS 2000*	1SDA073413R1	1SDA073452R1
	2500		E2.2H/MS 2500*	1SDA073415R1	1SDA073454R1



SACE Emax2 E4.2N-S Orientable rear terminals (HR)

Size	Iu	Icu (440 V)	Icw (1s)	Type	3 Poles	4 Poles
					Code	Code
E4.2N	3200	66	66	E4.2N 3200 Ekip Touch LI	1SDA071144R1	1SDA071774R1
				E4.2N 3200 Ekip Touch LSI*	1SDA071145R1	1SDA071775R1
				E4.2N 3200 Ekip Touch LSIG*	1SDA071146R1	1SDA071776R1
	4000	66	66	E4.2N 4000 Ekip Touch LI	1SDA071194R1	1SDA071824R1
				E4.2N 4000 Ekip Touch LSI*	1SDA071195R1	1SDA071825R1
				E4.2N 4000 Ekip Touch LSIG*	1SDA071196R1	1SDA071826R1
E4.2S	3200	85	66	E4.2S 3200 Ekip Touch LI*	1SDA071154R1	1SDA071784R1
				E4.2S 3200 Ekip Touch LSI*	1SDA071155R1	1SDA071785R1
				E4.2S 3200 Ekip Touch LSIG*	1SDA071156R1	1SDA071786R1
	4000	85	66	E4.2S 4000 Ekip Touch LI*	1SDA071204R1	1SDA071834R1
				E4.2S 4000 Ekip Touch LSI*	1SDA071205R1	1SDA071835R1
				E4.2S 4000 Ekip Touch LSIG*	1SDA071206R1	1SDA071836R1



SACE Emax2 E4.2H-V Orientable rear terminals (HR)

Size	Iu	Icu (440 V)	Icw (1s)	Type	3 Poles	4 Poles
					Code	Code
E4.2H	3200	100	85	E4.2S 3200 Ekip Touch LI*	1SDA071164R1	1SDA071794R1
				E4.2S 3200 Ekip Touch LSI*	1SDA071165R1	1SDA071795R1
				E4.2S 3200 Ekip Touch LSIG*	1SDA071166R1	1SDA071796R1
	4000	100	85	E4.2S 4000 Ekip Touch LI*	1SDA071214R1	1SDA071844R1
				E4.2S 4000 Ekip Touch LSI*	1SDA071215R1	1SDA071845R1
				E4.2S 4000 Ekip Touch LSIG*	1SDA071216R1	1SDA071846R1
E4.2V	2000	150	100	E4.2V 2000 Ekip Touch LI*	1SDA071104R1	1SDA071734R1
				E4.2V 2000 Ekip Touch LSI*	1SDA071105R1	1SDA071735R1
				E4.2V 2000 Ekip Touch LSIG*	1SDA071106R1	1SDA071736R1
	2500	150	100	E4.2V 2500 Ekip Touch LI*	1SDA071124R1	1SDA071754R1
				E4.2V 2500 Ekip Touch LSI*	1SDA071125R1	1SDA071755R1
				E4.2V 2500 Ekip Touch LSIG*	1SDA071126R1	1SDA071756R1
	3200	150	100	E4.2V 3200 Ekip Touch LI*	1SDA071174R1	1SDA071804R1
				E4.2V 3200 Ekip Touch LSI*	1SDA071175R1	1SDA071805R1
				E4.2V 3200 Ekip Touch LSIG*	1SDA071176R1	1SDA071806R1
	4000	150	100	E4.2V 4000 Ekip Touch LI*	1SDA071224R1	1SDA071854R1
				E4.2V 4000 Ekip Touch LSI*	1SDA071225R1	1SDA071855R1
				E4.2V 4000 Ekip Touch LSIG*	1SDA071226R1	1SDA071856R1

E & O.E. Terms & Conditions apply.

Automatic Circuit Breakers for Emax2

3.15 SACE Emax2 – Fixed Version for Power Distribution



SACE Emax2 E4.2N-H-V/MS Orientable rear terminals (HR)

Size	Iu	Icw (1s)	Type	3 Poles	4 Poles
				Code	Code
E4.2N/MS	3200	66	E4.2N/MS 3200	1SDA073418R1	1SDA073457R1
	4000		E4.2N/MS 4000*	1SDA073421R1	1SDA073460R1
E4.2H/MS	3200	85	E4.2H/MS 3200*	1SDA073419R1	1SDA073458R1
	4000		E4.2H/MS 4000*	1SDA073422R1	1SDA073461R1
E4.2V/MS	2000	100	E4.2V/MS 2000*	1SDA073416R1	1SDA073455R1
	2500		E4.2V/MS 2500*	1SDA073417R1	1SDA073456R1
	3200		E4.2V/MS 3200*	1SDA073420R1	1SDA073459R1
	4000		E4.2V/MS 4000*	1SDA073423R1	1SDA073462R1



SACE Emax2 E6.2H-V Orientable rear terminals (HR)

Size	Iu	Icu (440 V)	Icw (1s)	Type	3 Poles	4 Poles
					Code	Code
E6.2H	4000	100	100	E6.2H 4000 Ekip Touch LI*	1SDA071234R1	1SDA071864R1
				E6.2H 4000 Ekip Touch LSI*	1SDA071235R1	1SDA071865R1
				E6.2H 4000 Ekip Touch LSIG*	1SDA071236R1	1SDA071866R1
	5000	100	100	E6.2H 5000 Ekip Touch LI*	1SDA071264R1	1SDA071894R1
				E6.2H 5000 Ekip Touch LSI*	1SDA071265R1	1SDA071895R1
				E6.2H 5000 Ekip Touch LSIG*	1SDA071266R1	1SDA071896R1
	6300	100	100	E6.2H 6300 Ekip Touch LI*	1SDA071294R1	1SDA071924R1
				E6.2H 6300 Ekip Touch LSI*	1SDA071295R1	1SDA071925R1
				E6.2H 6300 Ekip Touch LSIG*	1SDA071296R1	1SDA071926R1
	E6.2V	4000	150	E6.2V 4000 Ekip Touch LI*	1SDA071244R1	1SDA071874R1
				E6.2V 4000 Ekip Touch LSI*	1SDA071245R1	1SDA071875R1
				E6.2V 4000 Ekip Touch LSIG*	1SDA071246R1	1SDA071876R1
	5000	150	100	E6.2V 5000 Ekip Touch LI*	1SDA071274R1	1SDA071904R1
				E6.2V 5000 Ekip Touch LSI*	1SDA071275R1	1SDA071905R1
				E6.2V 5000 Ekip Touch LSIG*	1SDA071276R1	1SDA071906R1
	6300	150	100	E6.2V 6300 Ekip Touch LI*	1SDA071304R1	1SDA071934R1
				E6.2V 6300 Ekip Touch LSI*	1SDA071305R1	1SDA071935R1
				E6.2V 6300 Ekip Touch LSIG*	1SDA071306R1	1SDA071936R1



SACE Emax2 E6.2H-V/f Full size Neutral Orientable rear terminals (HR)

Size	Iu	Icu (440 V)	Icw (1s)	Type	4 Poles
					Code
E6.2H/f	4000	100	100	E6.2H/f 4000 Ekip Touch LI*	1SDA071954R1
				E6.2H/f 4000 Ekip Touch LSI*	1SDA071955R1
				E6.2H/f 4000 Ekip Touch LSIG*	1SDA071956R1
	5000	100	100	E6.2H/f 5000 Ekip Touch LI*	1SDA071984R1
				E6.2H/f 5000 Ekip Touch LSI*	1SDA071985R1
				E6.2H/f 5000 Ekip Touch LSIG*	1SDA071986R1
	6300	100	100	E6.2H/f 6300 Ekip Touch LI*	1SDA072014R1
				E6.2H/f 6300 Ekip Touch LSI*	1SDA072015R1
				E6.2H/f 6300 Ekip Touch LSIG*	1SDA072016R1
	E6.2V/f	4000	150	E6.2V/f 4000 Ekip Touch LI*	1SDA071964R1
				E6.2V/f 4000 Ekip Touch LSI*	1SDA071965R1
				E6.2V/f 4000 Ekip Touch LSIG*	1SDA071966R1
	5000	150	100	E6.2V/f 5000 Ekip Touch LI*	1SDA071994R1
				E6.2V/f 5000 Ekip Touch LSI*	1SDA071995R1
				E6.2V/f 5000 Ekip Touch LSIG*	1SDA071996R1
	6300	150	100	E6.2V/f 6300 Ekip Touch LI*	1SDA072024R1
				E6.2V/f 6300 Ekip Touch LSI*	1SDA072025R1
				E6.2V/f 6300 Ekip Touch LSIG*	1SDA072026R1

E & O.E. Terms & Conditions apply.

Automatic Circuit Breakers for Emax2

3.15 SACE Emax2 – Fixed Version for Power Distribution

3



Switch-disconnectors:

Switch-disconnectors, identified with the abbreviation “/MS”, are devices that satisfy the isolating specifications provided by the IEC 60947-3 Standard Fixed version

SACE Emax2 E6.2H-X /MS Orientable rear terminals (HR)

Size	Iu	Icw	(1s)	Type	3 Poles	4 Poles
					Code	Code
E6.2H/MS	4000	100		E6.2H/MS 4000*	1SDA073424R1	1SDA073463R1
	5000	100		E6.2H/MS 5000*	1SDA073426R1	1SDA073465R1
	6300	100		E6.2H/MS 6300*	1SDA073428R1	1SDA073467R1
E6.2X/MS	4000	120		E6.2X/MS 4000*	1SDA073425R1	1SDA073464R1
	5000	120		E6.2X/MS 5000*	1SDA073427R1	1SDA073466R1
	6300	120		E6.2X/MS 6300*	1SDA073429R1	1SDA073468R1

SACE Emax E6.2H-X /MS/f Full Neutral Orientable rear terminals (HR)

Size	Iu	Icw	(1s)	Type	4 Poles
					Code
E6.2H/ MS/f	4000	100		E6.2H/MS/f 4000*	1SDA073469R1
	5000	100		E6.2H/MS/f 5000*	1SDA073471R1
	6300	100		E6.2H/MS/f 6300*	1SDA073473R1
E6.2X/ MS/f	4000	120		E6.2X/MS/f 4000*	1SDA073470R1
	5000	120		E6.2X/MS/f 5000*	1SDA073472R1
	6300	120		E6.2X/MS/f 6300*	1SDA073474R1

Automatic Circuit Breakers for Emax2

3.16 SACE Emax2 Withdrawable version for power distribution



SACE Emax2 E1.2B-C Mobile part of withdrawable circuit-breaker (MP)

Size	Iu	Icu (440 V)	Icw (1s)	Type	3 Poles	4 Poles
					Code	Code
E1.2B	630	42	42	E1.2B 630 Ekip Touch LI	1SDA072054R1	1SDA072684R1
				E1.2B 630 Ekip Touch LSI*	1SDA072055R1	1SDA072685R1
				E1.2B 630 Ekip Touch LSIG*	1SDA072056R1	1SDA072686R1
	800	42	42	E1.2B 800 Ekip Touch LI	1SDA072094R1	1SDA072724R1
				E1.2B 800 Ekip Touch LSI*	1SDA072095R1	1SDA072725R1
				E1.2B 800 Ekip Touch LSIG*	1SDA072096R1	1SDA072726R1
	1000	42	42	E1.2B 1000 Ekip Touch LI	1SDA072134R1	1SDA072764R1
				E1.2B 1000 Ekip Touch LSI*	1SDA072135R1	1SDA072765R1
				E1.2B 1000 Ekip Touch LSIG*	1SDA072136R1	1SDA072766R1
	1250	42	42	E1.2B 1250 Ekip Touch LI	1SDA072174R1	1SDA072804R1
				E1.2B 1250 Ekip Touch LSI*	1SDA072175R1	1SDA072805R1
				E1.2B 1250 Ekip Touch LSIG*	1SDA072176R1	1SDA072806R1
	1600	42	42	E1.2B 1600 Ekip Touch LI	1SDA072214R1	1SDA072844R1
				E1.2B 1600 Ekip Touch LSI*	1SDA072215R1	1SDA072845R1
				E1.2B 1600 Ekip Touch LSIG*	1SDA072216R1	1SDA072846R1
	E1.2C	50	42	E1.2C 630 Ekip Touch LI*	1SDA072064R1	1SDA072694R1
				E1.2C 630 Ekip Touch LSI*	1SDA072065R1	1SDA072695R1
				E1.2C 630 Ekip Touch LSIG*	1SDA072066R1	1SDA072696R1
	800	50	42	E1.2C 800 Ekip Touch LI	1SDA072104R1	1SDA072734R1
				E1.2C 800 Ekip Touch LSI*	1SDA072105R1	1SDA072735R1
				E1.2C 800 Ekip Touch LSIG*	1SDA072106R1	1SDA072736R1
	1000	50	42	E1.2C 1000 Ekip Touch LI*	1SDA072144R1	1SDA072774R1
				E1.2C 1000 Ekip Touch LSI*	1SDA072145R1	1SDA072775R1
				E1.2C 1000 Ekip Touch LSIG*	1SDA072146R1	1SDA072776R1
	1250	50	42	E1.2C 1250 Ekip Touch LI*	1SDA072184R1	1SDA072814R1
				E1.2C 1250 Ekip Touch LSI*	1SDA072185R1	1SDA072815R1
				E1.2C 1250 Ekip Touch LSIG*	1SDA072186R1	1SDA072816R1
	1600	50	42	E1.2C 1600 Ekip Touch LI	1SDA072224R1	1SDA072854R1
				E1.2C 1600 Ekip Touch LSI*	1SDA072225R1	1SDA072855R1
				E1.2C 1600 Ekip Touch LSIG*	1SDA072226R1	1SDA072856R1



SACE Emax2 E1.2N Mobile part of withdrawable circuit-breaker (MP)

Size	Iu	Icu (440 V)	Icw (1s)	Type	3 Poles	4 Poles
					Code	Code
E1.2N	250	66	50	E1.2N 250 Ekip Touch LI*	1SDA072044R1	1SDA072674R1
				E1.2N 250 Ekip Touch LSI*	1SDA072045R1	1SDA072675R1
				E1.2N 250 Ekip Touch LSIG*	1SDA072046R1	1SDA072676R1
	630	66	50	E1.2N 630 Ekip Touch LI	1SDA072074R1	1SDA072704R1
				E1.2N 630 Ekip Touch LSI*	1SDA072075R1	1SDA072705R1
				E1.2N 630 Ekip Touch LSIG*	1SDA072076R1	1SDA072706R1
	800	66	50	E1.2N 800 Ekip Touch LI*	1SDA072114R1	1SDA072744R1
				E1.2N 800 Ekip Touch LSI*	1SDA072115R1	1SDA072745R1
				E1.2N 800 Ekip Touch LSIG*	1SDA072116R1	1SDA072746R1
	1000	66	50	E1.2N 1000 Ekip Touch LI*	1SDA072154R1	1SDA072784R1
				E1.2N 1000 Ekip Touch LSI*	1SDA072155R1	1SDA072785R1
				E1.2N 1000 Ekip Touch LSIG*	1SDA072156R1	1SDA072786R1
	1250	66	50	E2.2N 1250 Ekip Touch LI	1SDA072194R1	1SDA072824R1
				E2.2N 1250 Ekip Touch LSI*	1SDA072195R1	1SDA072825R1
				E2.2N 1250 Ekip Touch LSIG*	1SDA072196R1	1SDA072826R1
	1600	66	50	E1.2N 1600 Ekip Touch LI	1SDA072234R1	1SDA072864R1
				E1.2N 1600 Ekip Touch LSI*	1SDA072235R1	1SDA072865R1
				E1.2N 1600 Ekip Touch LSIG*	1SDA072236R1	1SDA072866R1

Automatic Circuit Breakers for Emax2

3.16 SACE Emax2 Withdrawable version for power distribution

3



Cradles for Withdrawable Air Circuit Breakers and Switch-disconnectors

Fixed Part for E1.2

Size	Performance	Iu Range	Type of terminal	Type	3 Poles	4 Poles
					Code	Code
E1.2	B, C, N, L	250 – 1600	HR – HR	E1.2 W FP Iu=1600 HR HR	1SDA073907R1	1SDA073908R1

Switch-disconnectors:

Switch-disconnectors, identified with the abbreviation “/MS”, are devices that satisfy the isolating specifications provided by the IEC 60947-3 Standard Withdrawable version.



SACE Emax2 E1.2B-N/MS Mobile part of withdrawable circuit-breaker (MP)

Size	Iu	Icu (1s)	Type	3 Poles	4 Poles
				Code	Code
E1.2B/MS	630	42	E1.2B/MS 630*	1SDA073476R1	1SDA073515R1
	800		E1.2B/MS 800*	1SDA073478R1	1SDA073517R1
	1000		E1.2B/MS 1000*	1SDA073480R1	1SDA073519R1
	1250		E1.2B/MS 1250	1SDA073482R1	1SDA073521R1
	1600		E1.2B/MS 1600	1SDA073484R1	1SDA073523R1
E1.2N/MS	250	50	E1.2N/MS 250*	1SDA073475R1	1SDA073514R1
	630		E1.2N/MS 630*	1SDA073477R1	1SDA073516R1
	800		E1.2N/MS 800*	1SDA073479R1	1SDA073518R1
	1000		E1.2N/MS 1000*	1SDA073481R1	1SDA073520R1
	1250		E1.2N/MS 1250*	1SDA073483R1	1SDA073522R1
	1600		E1.2N/MS 1600*	1SDA073485R1	1SDA073524R1



SACE Emax2 E2.2B-N Mobile part of withdrawable circuit-breaker (MP)

Size	Iu	Icu (440 V)	Icw (1s)	Type	3 Poles	4 Poles
					Code	Code
E2.2B	1600	42	42	E2.2B 1600 Ekip Touch LI	1SDA072334R1	1SDA072964R1
				E2.2B 1600 Ekip Touch LSI*	1SDA072335R1	1SDA072965R1
				E2.2B 1600 Ekip Touch LSIG*	1SDA072336R1	1SDA072966R1
	2000	42	42	E2.2B 2000 Ekip Touch LI	1SDA072374R1	1SDA073004R1
				E2.2B 2000 Ekip Touch LSI*	1SDA072375R1	1SDA073005R1
				E2.2B 2000 Ekip Touch LSIG*	1SDA072376R1	1SDA073006R1
E2.2N	800	66	66	E2.2N 800 Ekip Touch LI*	1SDA072244R1	1SDA072874R1
				E2.2N 800 Ekip Touch LSI*	1SDA072245R1	1SDA072875R1
				E2.2N 800 Ekip Touch LSIG*	1SDA072246R1	1SDA072876R1
	1000	66	66	E2.2N 1000 Ekip Touch LI*	1SDA072274R1	1SDA072904R1
				E2.2N 1000 Ekip Touch LSI*	1SDA072275R1	1SDA072905R1
				E2.2N 1000 Ekip Touch LSIG*	1SDA072276R1	1SDA072906R1
	1250	66	66	E2.2N 1250 Ekip Touch LI*	1SDA072304R1	1SDA072934R1
				E2.2N 1250 Ekip Touch LSI*	1SDA072305R1	1SDA072935R1
				E2.2N 1250 Ekip Touch LSIG*	1SDA072306R1	1SDA072936R1
	1600	66	66	E2.2N 1600 Ekip Touch LI	1SDA072344R1	1SDA072974R1
				E2.2N 1600 Ekip Touch LSI*	1SDA072345R1	1SDA072975R1
				E2.2N 1600 Ekip Touch LSIG*	1SDA072346R1	1SDA072976R1
	2000	66	66	E2.2N 2000 Ekip Touch LI	1SDA072384R1	1SDA073014R1
				E2.2N 2000 Ekip Touch LSI*	1SDA072385R1	1SDA073015R1
				E2.2N 2000 Ekip Touch LSIG*	1SDA072386R1	1SDA073016R1
	2500	66	66	E2.2N 2500 Ekip Touch LI	1SDA072414R1	1SDA073044R1
				E2.2N 2500 Ekip Touch LSI*	1SDA072415R1	1SDA073045R1
				E2.2N 2500 Ekip Touch LSIG*	1SDA072416R1	1SDA073046R1

Automatic Circuit Breakers for Emax2

3.16 SACE Emax2 Withdrawable version for power distribution



Cradles for Withdrawable Air Circuit Breakers and Switch-disconnectors

Fixed Part for E2.2

Size	Performance	Iu Range	Type of terminal	Type	3 Poles	4 Poles
					Code	Code
E2.2	B, N, S, H	250 – 2000	HR – HR	E2.2 W FP Iu=2000 HR HR	1SDA073909R1	1SDA073910R1
	N, S, H	2500	HR – HR	E2.2 W FP Iu=2500 HR HR	1SDA073911R1	1SDA073912R1

Switch-disconnectors:

Switch-disconnectors, identified with the abbreviation “/MS”, are devices that satisfy the isolating specifications provided by the IEC 60947-3 Standard Withdrawable version.



SACE Emax2 E2.2B-N-H/MS Mobile part of withdrawable circuit-breaker (MP)

Size	Iu	Icw (1s)	Type	3 Poles	4 Poles
				Code	Code
E2.2B/MS	1600	42	E2.2B/MS 1600	1SDA073492R1	1SDA073531R1
	2000		E2.2B/MS 2000	1SDA073495R1	1SDA073534R1
E2.2N/MS	800	66	E2.2N/MS 800*	1SDA073486R1	1SDA073525R1
	1000		E2.2N/MS 1000*	1SDA073488R1	1SDA073527R1
	1250		E2.2N/MS 1250*	1SDA073490R1	1SDA073529R1
	1600		E2.2N/MS 1600*	1SDA073493R1	1SDA073532R1
	2000		E2.2N/MS 2000*	1SDA073496R1	1SDA073535R1
	2500		E2.2N/MS 2500	1SDA073498R1	1SDA073537R1



SACE Emax2 E4.2N-S Mobile part of withdrawable circuit-breaker (MP)

Size	Iu	Icu (440 V)	Icw (1s)	Type	3 Poles	4 Poles
					Code	Code
E4.2N	3200	66	66	E4.2N 3200 Ekip Touch LI	1SDA072494R1	1SDA073124R1
				E4.2N 3200 Ekip Touch LSI*	1SDA072495R1	1SDA073125R1
				E4.2N 3200 Ekip Touch LSIG*	1SDA072496R1	1SDA073126R1
	4000	66	66	E4.2N 4000 Ekip Touch LI	1SDA072544R1	1SDA073174R1
				E4.2N 4000 Ekip Touch LSI*	1SDA072545R1	1SDA073175R1
				E4.2N 4000 Ekip Touch LSIG*	1SDA072546R1	1SDA073176R1
E4.2S	3200	85	66	E4.2S 3200 Ekip Touch LI*	1SDA072504R1	1SDA073134R1
				E4.2S 3200 Ekip Touch LSI*	1SDA072505R1	1SDA073135R1
				E4.2S 3200 Ekip Touch LSIG*	1SDA072506R1	1SDA073136R1
	4000	85	66	E4.2S 4000 Ekip Touch LI*	1SDA072554R1	1SDA073184R1
				E4.2S 4000 Ekip Touch LSI*	1SDA072555R1	1SDA073185R1
				E4.2S 4000 Ekip Touch LSIG*	1SDA072556R1	1SDA073186R1

Automatic Circuit Breakers for Emax2

3.16 SACE Emax2 Withdrawable version for power distribution

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SACE Emax2 E4.2H-V Mobile part of withdrawable circuit-breaker (MP)

Size	Iu	Icu (440 V)	Icw (1s)	Type	3 Poles	4 Poles
					Code	Code
E4.2H	3200	100	85	E4.2S 3200 Ekip Touch LI*	1SDA072514R1	1SDA073144R1
				E4.2S 3200 Ekip Touch LSI*	1SDA072515R1	1SDA073145R1
				E4.2S 3200 Ekip Touch LSIg*	1SDA072516R1	1SDA073146R1
	4000	100	85	E4.2S 4000 Ekip Touch LI*	1SDA072564R1	1SDA073194R1
				E4.2S 4000 Ekip Touch LSI*	1SDA072565R1	1SDA073195R1
				E4.2S 4000 Ekip Touch LSIg*	1SDA072566R1	1SDA073196R1
E4.2V	2000	150	100	E4.2V 2000 Ekip Touch LI*	1SDA072454R1	1SDA073084R1
				E4.2V 2000 Ekip Touch LSI*	1SDA072455R1	1SDA073085R1
				E4.2V 2000 Ekip Touch LSIg*	1SDA072456R1	1SDA073086R1
	2500	150	100	E4.2V 2500 Ekip Touch LI*	1SDA072474R1	1SDA073104R1
				E4.2V 2500 Ekip Touch LSI*	1SDA072475R1	1SDA073105R1
				E4.2V 2500 Ekip Touch LSIg*	1SDA072476R1	1SDA073106R1
	3200	150	100	E4.2V 3200 Ekip Touch LI*	1SDA072524R1	1SDA073154R1
				E4.2V 3200 Ekip Touch LSI*	1SDA072525R1	1SDA073155R1
				E4.2V 3200 Ekip Touch LSIg*	1SDA072526R1	1SDA073156R1
	4000	150	100	E4.2V 4000 Ekip Touch LI*	1SDA072574R1	1SDA073204R1
				E4.2V 4000 Ekip Touch LSI*	1SDA072575R1	1SDA073205R1
				E4.2V 4000 Ekip Touch LSIg*	1SDA072576R1	1SDA073206R1



Cradles for Withdrawable Air Circuit Breakers and Switch-disconnectors

Fixed Part for E4.2

Size	Performance	Iu Range	Type of terminal	Type	3 Poles	4 Poles
					Code	Code
E4.2	N, S, H	3200	HR – HR	E4.2 W FP Iu=3200 HR HR	1SDA073913R1	1SDA073914R1
	N, S, H	4000	HR – HR	E4.2 W FP Iu=4000 or V version HR HR	1SDA073915R1	1SDA073916R1
	V	2000 – 4000	HR – HR	E4.2 W FP Iu=4000 or V version HR HR	1SDA073915R1	1SDA073916R1

Switch-disconnectors:

Switch-disconnectors, identified with the abbreviation “/MS”, are devices that satisfy the isolating specifications provided by the IEC 60947-3 Standard Withdrawable version.



SACE Emax2 E4.2N-H-V/MS Mobile part of withdrawable circuit-breaker (MP)

Size	Iu	Icw (1s)	Type	3 Poles	4 Poles
				Code	Code
E4.2N/MS	3200	66	E4.2N/MS 3200	1SDA073502R1	1SDA073541R1
	4000		E4.2N/MS 4000*	1SDA073505R1	1SDA073544R1
E4.2H/MS	3200	85	E4.2H/MS 3200*	1SDA073503R1	1SDA073542R1
	4000		E4.2H/MS 4000*	1SDA073506R1	1SDA073545R1
E4.2V/MS	2000	100	E4.2V/MS 2000*	1SDA073500R1	1SDA073539R1
	2500		E4.2V/MS 2500*	1SDA073501R1	1SDA073540R1
	3200		E4.2V/MS 3200*	1SDA073504R1	1SDA073543R1
	4000		E4.2V/MS 4000*	1SDA073507R1	1SDA073546R1

Automatic Circuit Breakers for Emax2

3.16 SACE Emax2 Withdrawable version for power distribution



SACE Emax2 E6.2H-V Mobile part of withdrawable circuit-breaker (MP)						
Size	Iu	Icu (440 V)	Icw (1s)	Type	3 Poles	4 Poles
					Code	Code
E6.2H	4000	100	100	E6.2H 4000 Ekip Touch LI	1SDA072584R1	1SDA073214R1
				E6.2H 4000 Ekip Touch LSI*	1SDA072585R1	1SDA073215R1
				E6.2H 4000 Ekip Touch LSIG*	1SDA072586R1	1SDA073216R1
	5000	100	100	E6.2H 5000 Ekip Touch LI	1SDA072614R1	1SDA073244R1
				E6.2H 5000 Ekip Touch LSI*	1SDA072615R1	1SDA073245R1
				E6.2H 5000 Ekip Touch LSIG*	1SDA072616R1	1SDA073246R1
	6300	100	100	E6.2H 6300 Ekip Touch LI	1SDA072644R1	1SDA073274R1
				E6.2H 6300 Ekip Touch LSI*	1SDA072645R1	1SDA073275R1
				E6.2H 6300 Ekip Touch LSIG*	1SDA072646R1	1SDA073276R1
E6.2V	4000	150	100	E6.2V 4000 Ekip Touch LI*	1SDA072594R1	1SDA073224R1
				E6.2V 4000 Ekip Touch LSI*	1SDA072595R1	1SDA073225R1
				E6.2V 4000 Ekip Touch LSIG*	1SDA072596R1	1SDA073226R1
	5000	150	100	E6.2V 5000 Ekip Touch LI*	1SDA072624R1	1SDA073254R1
				E6.2V 5000 Ekip Touch LSI*	1SDA072625R1	1SDA073255R1
				E6.2V 5000 Ekip Touch LSIG*	1SDA072626R1	1SDA073256R1
	6300	150	100	E6.2V 6300 Ekip Touch LI*	1SDA072654R1	1SDA073284R1
				E6.2V 6300 Ekip Touch LSI*	1SDA072655R1	1SDA073285R1
				E6.2V 6300 Ekip Touch LSIG*	1SDA072656R1	1SDA073286R1

SACE Emax E6.2H-V/F Full size Neutral Mobile part of withdrawable circuit-breaker (MP)						
Size	Iu	Icu (440 V)	Icw (1s)	Type	4 Poles	
					Code	
E6.2H/f	4000	100	100	E6.2H/f 4000 Ekip Touch LI*	1SDA073304R1	
				E6.2H/f 4000 Ekip Touch LSI*	1SDA073305R1	
				E6.2H/f 4000 Ekip Touch LSIG*	1SDA073306R1	
	5000	100	100	E6.2H/f 5000 Ekip Touch LI*	1SDA073334R1	
				E6.2H/f 5000 Ekip Touch LSI*	1SDA073335R1	
				E6.2H/f 5000 Ekip Touch LSIG*	1SDA073336R1	
	6300	100	100	E6.2H/f 6300 Ekip Touch LI*	1SDA073364R1	
				E6.2H/f 6300 Ekip Touch LSI*	1SDA073365R1	
				E6.2H/f 6300 Ekip Touch LSIG*	1SDA073366R1	
E6.2V/f	4000	150	100	E6.2V/f 4000 Ekip Touch LI*	1SDA073314R1	
				E6.2V/f 4000 Ekip Touch LSI*	1SDA073315R1	
				E6.2V/f 4000 Ekip Touch LSIG*	1SDA073316R1	
	5000	150	100	E6.2V/f 5000 Ekip Touch LI*	1SDA073344R1	
				E6.2V/f 5000 Ekip Touch LSI*	1SDA073345R1	
				E6.2V/f 5000 Ekip Touch LSIG*	1SDA073346R1	
	6300	150	100	E6.2V/f 6300 Ekip Touch LI*	1SDA073374R1	
				E6.2V/f 6300 Ekip Touch LSI*	1SDA073375R1	
				E6.2V/f 6300 Ekip Touch LSIG*	1SDA073376R1	

E & O.E. Terms & Conditions apply.

Automatic Circuit Breakers for Emax2

3.16 SACE Emax2 Withdrawable version for power distribution

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Cradles for Withdrawable Air Circuit Breakers and Switch-disconnectors

Fixed Part for E6.2

Size	Performance	Iu Range	Type of terminal	Type	3 Poles	4 Poles
					Code	Code
E6.2	H, V	4000 - 5000	HR - HR	E6.2 W FP Iu=5000 HR HR	1SDA073917R1	1SDA073918R1
	H, V, X	4000 - 6300	HR - HR	E6.2 W FP Iu=6300 or X version HR HR*	1SDA073920R1	1SDA073921R1
	H, V/f	4000 - 5000	HR - HR	E6.2 W FP Iu=5000 HR HR *		1SDA073919R1
	H, V, X/f	4000 - 6300	HR - HR	E6.2 W FP Iu=6300 or X version HR HR*		1SDA073922R1

Switch-disconnectors:

Switch-disconnectors, identified with the abbreviation "/MS", are devices that satisfy the isolating specifications provided by the IEC 60947-3 Standard Withdrawable version.

SACE Emax2 E6.2H-X /MS Mobile part of withdrawable circuit-breaker (MP)

Size	Iu	Icw (1s)	Type	3 Poles	4 Poles
				Code	Code
E6.2H/MS	4000	100	E6.2H/MS 4000*	1SDA073508R1	1SDA073547R1
	5000	100	E6.2H/MS 5000*	1SDA073510R1	1SDA073549R1
	6300	100	E6.2H/MS 6300*	1SDA073512R1	1SDA073551R1
E6.2X/MS	4000	120	E6.2X/MS 4000*	1SDA073509R1	1SDA073548R1
	5000	120	E6.2X/MS 5000*	1SDA073511R1	1SDA073550R1
	6300	120	E6.2X/MS 6300*	1SDA073513R1	1SDA073552R1

SACE Emax E6.2H-X /MS/f Full Neutral Mobile part of withdrawable circuit-breaker (MP)

Size	Iu	Icw (1s)	Type	4 Poles
				Code
E6.2H/MS/f	4000	100	E6.2H/MS/f 4000*	1SDA073553R1
	5000	100	E6.2H/MS/f 5000*	1SDA073555R1
	6300	100	E6.2H/MS/f 6300*	1SDA073557R1
E6.2X/MS/f	4000	120	E6.2X/MS/f 4000*	1SDA073554R1
	5000	120	E6.2X/MS/f 5000*	1SDA073556R1
	6300	120	E6.2X/MS/f 6300*	1SDA073558R1

Automatic Circuit Breakers

3.17 SACE Emax2 – Accessories



Shunt Opening Releases (SOR)

Description	Order Code	For Use with
YO E1.2..E6.2 24V AC/DC	1SDA073668R1	E1.2..E6.2
YO E1.2..E6.2 110-120V AC/DC	1SDA073672R1	E1.2..E6.2
YO E1.2..E6.2 220-240V AC/DC	1SDA073674R1	E1.2..E6.2
YO E1.2..E6.2 380-400V AC*	1SDA073677R1	E1.2..E6.2

Shunt Closing Releases (SCR)

Description	Order Code	For Use with
YC E1.2..E6.2 24V AC/DC	1SDA073681R1	E1.2..E6.2
YC E1.2..E6.2 110-120V AC/DC	1SDA073685R1	E1.2..E6.2
YC E1.2..E6.2 220-240V AC/DC	1SDA073687R1	E1.2..E6.2
YC E1.2..E6.2 380-400V AC*	1SDA073690R1	E1.2..E6.2

Under Voltage Release -YU

Description	Order Code	For Use with
YU E1.2..E6.2 24V AC/DC	1SDA073694R1	E1.2..E6.2
YU E1.2..E6.2 110-120V AC/DC	1SDA073698R1	E1.2..E6.2
YU E1.2..E6.2 220-240V AC/DC	1SDA073700R1	E1.2..E6.2
YU E1.2..E6.2 380-400V AC	1SDA073703R1	E1.2..E6.2



Motor Operators (MOE)

Description	Order Code	For Use with
M E1.2 24-30V AC/DC	1SDA073708R1	E1.2
M E1.2 100-130V AC/DC*	1SDA073710R1	E1.2
M E1.2 220-250V AC/DC	1SDA073711R1	E1.2
M E1.2 380-415V AC*	1SDA073713R1	E1.2
M E2.2...E6.2 24-30V AC/DC	1SDA073722R1	E2.2...E6.2
M E2.2...E6.2 100-130V AC/DC	1SDA073724R1	E2.2...E6.2
M E2.2...E6.2 220-250V AC/DC*	1SDA073725R1	E2.2...E6.2
M E2.2...E6.2 380-415V AC*	1SDA073727R1	E2.2...E6.2



Open/Closed Auxiliary Contacts – AUX

Description	Order Code	For Use with
AUX 4Q 400V E1.2	1SDA073750R1	E1.2
AUX 4Q 24V E1.2	1SDA073751R1	E1.2
AUX 4Q 400V E2.2...E6.2	1SDA073753R1	E2.2...E6.2
AUX 4Q 24V E2.2...E6.2	1SDA073754R1	E2.2...E6.2
S51 250V contact signalling unit for Ekip trip	1SDA073776R1	E1.2
S51 24V contact signalling unit for Ekip trip*	1SDA073777R1	E1.2
S51 250V contact signalling unit for Ekip trip	1SDA073778R1	E2.2...E6.2
S51 24V contact signalling unit for Ekip trip*	1SDA073779R1	E2.2...E6.2

Auxiliary Position Contacts – AUP

Description	Order Code	For Use With
AUP 6 contacts 400V E1.2	1SDA073762R1	E1.2
AUP 6 contacts 24V E1.2*	1SDA073763R1	E1.2
AUP 5 contacts 400V E2.2...E6.2 - left set	1SDA073764R1	E2.2...E6.2
AUP 5 contacts 24V E2.2...E6.2 - left set*	1SDA073765R1	E2.2...E6.2
AUP 5 suppl. contacts 400V E2.2...E6.2 - right set*	1SDA073766R1	E2.2...E6.2
AUP 5 suppl. contacts 24V E2.2...E6.2 - right set*	1SDA073767R1	E2.2...E6.2

Automatic Circuit Breakers

3.17 SACE Emax2 – Accessories

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Key Lock in Open Position – KLC

Description	Order Code	For Use With
KLC-D Bl. Key lock open E1.2	1SDA073782R1	E1.2
KLC-S Bl. Key lock open N.20005 E1.2	1SDA073783R1	E1.2
KLC-S Bl. Key lock open N.20006 E1.2	1SDA073784R1	E1.2
KLC-S Bl. Key lock open N.20007 E1.2	1SDA073785R1	E1.2
KLC-S Bl. Key lock open N.20008 E1.2	1SDA073786R1	E1.2
KLC-S Bl. Key lock open N.20009 E1.2	1SDA073787R1	E1.2
KLC-D Bl. Key lock open E2.2...E6.2	1SDA073791R1	E2.2..E6.2
KLC-S Bl. key lock AP N.20005 E2.2..E6.2	1SDA073792R1	E2.2..E6.2
KLC-S Bl. key lock AP N.20006 E2.2..E6.2	1SDA073793R1	E2.2..E6.2
KLC-S Bl. key lock AP N.20007 E2.2..E6.2	1SDA073794R1	E2.2..E6.2
KLC-S Bl. key lock AP N.20008 E2.2..E6.2	1SDA073795R1	E2.2..E6.2
KLC-S Bl. key lock AP N.20009 E2.2..E6.2	1SDA073796R1	E2.2..E6.2

Padlocks in Open Position – PLC

Description	Order Code	For Use With
PLC E1.2 Bl. Padlocks in open position D=7mm	1SDA073801R1	E1.2
PLC E2.2..E6.2 Bl. Padlocks in open position D=7mm	1SDA073804R1	E2.2..E6.2



Key Lock in Racked-in / Test / Racked-out Position- KLP

Description	Order Code	For Use With
KLP-D Bl. Racked in/out E1.2 1st key*	1SDA073822R1	E1.2
KLP-S Bl. Racked in/out N.20005 E1.2 1st key*	1SDA073823R1	E1.2
KLP-S Bl. Racked in/out N.20006 E1.2 1st key*	1SDA073824R1	E1.2
KLP-S Bl. Racked in/out N.20007 E1.2 1st key*	1SDA073825R1	E1.2
KLP-S Bl. Racked in/out N.20008 E1.2 1st key*	1SDA073826R1	E1.2
KLP-S Bl. Racked in/out N.20009 E1.2 1st key*	1SDA073827R1	E1.2
KLP-D Bl. Racked in/out E1.2 2nd key*	1SDA073828R1	E1.2
KLP-S Bl. Racked in/out N.20005 E1.2 2nd key*	1SDA073829R1	E1.2
KLP-S Bl. Racked in/out N.20006 E1.2 2nd key*	1SDA073830R1	E1.2
KLP-S Bl. Racked in/out N.20007 E1.2 2nd key*	1SDA073831R1	E1.2
KLP-S Bl. Racked in/out N.20008 E1.2 2nd key*	1SDA073832R1	E1.2
KLP-S Bl. Racked in/out N.20009 E1.2 2nd key*	1SDA073833R1	E1.2
KLP-D Bl. Racked in/out E2.2...E6.2 1st key	1SDA073806R1	E2.2..E6.2
KLP-S Bl. Racked in/out N.20005 E2.2..E6.2 1st key*	1SDA073807R1	E2.2..E6.2
KLP-S Bl. Racked in/out N.20006 E2.2..E6.2 1st key*	1SDA073808R1	E2.2..E6.2
KLP-S Bl. Racked in/out N.20007 E2.2..E6.2 1st key*	1SDA073809R1	E2.2..E6.2
KLP-S Bl. Racked in/out N.20008 E2.2..E6.2 1st key*	1SDA073810R1	E2.2..E6.2
KLP-S Bl. Racked in/out N.20009 E2.2..E6.2 1st key*	1SDA073811R1	E2.2..E6.2
KLP-D Bl. Racked in/out E2.2...E6.2 2nd key*	1SDA073812R1	E2.2..E6.2
KLP-S Bl. Racked in/out N.20005 E2.2..E6.2 2nd key*	1SDA073813R1	E2.2..E6.2
KLP-S Bl. Racked in/out N.20006 E2.2..E6.2 2nd key*	1SDA073814R1	E2.2..E6.2
KLP-S Bl. Racked in/out N.20007 E2.2..E6.2 2nd key*	1SDA073815R1	E2.2..E6.2
KLP-S Bl. Racked in/out N.20008 E2.2..E6.2 2nd key*	1SDA073816R1	E2.2..E6.2
KLP-S Bl. Racked in/out N.20009 E2.2..E6.2 2nd key*	1SDA073817R1	E2.2..E6.2

Protection Device for Opening and Closing Pushbuttons – PBC

Description	Order Code	For Use With
PBC Prot. Pushbuttons AP/CH D=7mm E1.2	1SDA073856R1	E1.2
PBC Prot. Pushbuttons AP/CH D=7mm E2.2..E6.2	1SDA073860R1	E2.2..E6.2



Circuit-breaker Flange

Description	Order Code	For Use With
IP30 Flange E1.2 F	1SDA073862R1	E1.2
IP30 Flange E1.2 W*	1SDA073863R1	E1.2
IP30 Flange E2.2...E6.2 F	1SDA073864R1	E2.2..E6.2
IP30 Flange E2.2...E6.2 W*	1SDA073865R1	E2.2..E6.2

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Automatic Circuit Breakers

3.17 SACE Emax2 – Accessory Ordering Table

Mechanical Interlocking Selection Guide

- Ordering for mechanical Interlocks.
- Interlocks have several strategy configuration, suitable for fixed circuit-breakers and withdrawable circuit-breakers.
- Each configuration requires different groups:
- **Cables**, select one Kit for strategy A / B / C / D. The cables must be ordered on fixed circuit-breaker or fixed part of withdrawable circuit-breaker.
 - **Lever**, required only for E2.2, E4.2 and E6.2. These lever must be mounted on fixed circuit-breaker or on mobile part of withdrawable circuit-breaker.
 - **Support**, installed on fixed circuit-breaker or on fixed part of withdrawable circuit-breaker. This support is mounted on the external right side of the circuit-breaker.

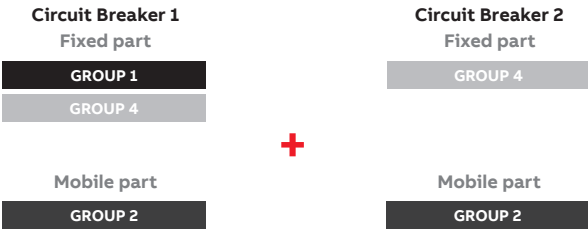
Type A

Type A Interlock between two fixed circuit breakers



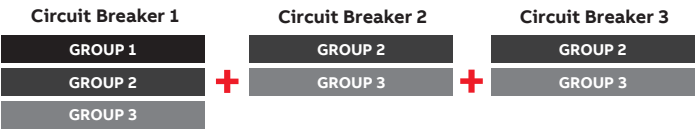
Type A

Interlock between two withdrawable circuit breakers



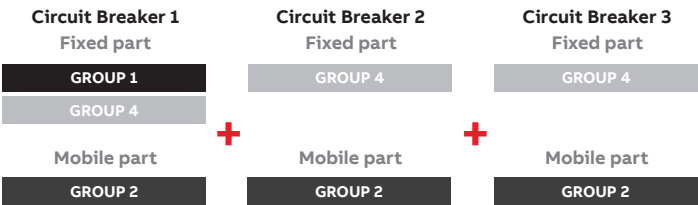
Type C

Type C Interlock with bus tie between three fixed circuit breakers:
Available for E2.2-E6.2 only



Type C

Type C Interlock with bus tie between three withdrawable circuit breakers: Available for E2.2-E6.2 only



Automatic Circuit Breakers

3.17 SACE Emax2 – Accessories

Cables for mechanical interlock (1 set per interlock type)

Description	Order Code	For Use With
Type A horizontal*	1SDA073881R1	E1.2..E6.2
Type B,C,D horizontal	1SDA073882R1	E2.2..E6.2
Type A Vertical*	1SDA073885R1	E1.2..E6.2
Type B,C,D Vertical*	1SDA073886R1	E2.2..E6.2

Level for mechanical interlock of fixed circuit breaker or mobile part (1 per breaker)

Description	Order Code	For Use With
Level for E1.2 mechanical interlock not required		N/A
Lever for mechanical interlock	1SDA073889R1	E2.2
Lever for mechanical interlock	1SDA073890R1	E4.2
Lever for mechanical interlock	1SDA073891R1	E6.2

Support for mechanical interlock of fixed circuit breaker (1 per breaker)

Description	Order Code	For Use With
Type A horizontal	1SDA073893R1	E1.2
Type A- Installed on bottom plate	1SDA073894R1	E1.2
Type A / B / D	1SDA073895R1	E2.2..E6.2
Type C	1SDA073897R1	E2.2..E6.2

Support for mechanical interlock of fixed part (1 per cradle)

Description	Order Code	For Use With
Type A	1SDA073896R1	E1.2
Type A / B / D	1SDA073895R1	E2.2..E6.2
Type C	1SDA073897R1	E2.2..E6.2

Power Supply modules

Description	Order Code	For Use With
Ekip Supply 110 -240V AC/DC	1SDA074172R1	E1.2...E6.2
Ekip Supply 24 -48V DC	1SDA074173R1	E1.2...E6.2

Displaying and supervision systems

Description	Order Code	For Use With
Ekip T&P – Programming and Test unit*	1SDA066989R1	E1.2..E6.2
Ekip TT – Trip Test unit*	1SDA066988R1	E1.2..E6.2
Ekip Programming*	1SDA076154R1	E1.2..E6.2
Ekip Multimeter Display on front of switchgear*	1SDA074192R1	E1.2..E6.2

Connectivity modules

Description	Order Code	For Use With
Ekip Com Modbus RS-485*	1SDA074150R1	E1.2..E6.2
Ekip Com Modbus TCP	1SDA074151R1	E1.2..E6.2
Ekip Com Profibus	1SDA074152R1	E1.2..E6.2
Ekip Com Profinet*	1SDA074153R1	E1.2..E6.2
Ekip Com DeviceNet*	1SDA074154R1	E1.2..E6.2
Ekip Com EtherNet/IP*	1SDA074155R1	E1.2..E6.2
Ekip Com IEC61850*	1SDA074156R1	E1.2..E6.2
Ekip Com R Modbus RS-485*	1SDA074157R1	E1.2..E6.2
Ekip Com R Profibus*	1SDA074159R1	E1.2..E6.2
Ekip Bluetooth	1SDA074164R1	E1.2..E6.2
Ekip Com Hub	1SDA082894R1	E1.2..E6.2
Ekip ComActuator*	1SDA074166R1	E1.2..E6.2

Note: Ekip Com Hub and other supporting modules can be used on a standard ACB as per the Ekip UP communication architecture.

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