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TECHNICAL CATALOGUE

# Low voltage products spare parts

for circuit-breakers, switches,  
contactors and arc guards





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**You will find ABB products supporting all applications you can imagine.**

**Approved by local and international standards, the strength of ABB's solutions is supported by our global service network to provide peace of mind.**

**The focus for ABB is to think of the customer's application first. ABB engineers continuously evaluate ways to simplify the installation. Use of an ABB product can improve productivity and machine quality.**

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# Index

<b>02-04</b>	<b>Introduction</b>
<b>02-02</b>	ABB Service
<b>03-03</b>	Service for low voltage products
<b>04-04</b>	LCM
<b>05-74</b>	<b>Circuit Breakers</b>
<b>06-06</b>	Retrofitting kits
<b>07-07</b>	Spare parts
<b>08-14</b>	ACB Spare Parts - Emax 2 E1.2, E2.2, E4.2, E6.2
<b>15-21</b>	ACB Spare Parts - New Emax E1, E2, E3, E4, E6
<b>22-27</b>	ACB Spare Parts - Emax E1, E2, E3, E4, E6
<b>28-40</b>	ACB Spare Parts - Megamax F1, F2, F3, F4, F5, F6
<b>41-44</b>	MCCB Spare Parts - Tmax XT1, XT2, XT3, XT4
<b>45-54</b>	MCCB Spare Parts - Tmax T1, T2, T3
<b>55-57</b>	MCCB Spare Parts - Tmax T4, T5, T6, T8
<b>58-59</b>	MCCB Spare Parts - Tmax T7, T7M, New Emax X1
<b>60-72</b>	MCCB Spare Parts - Isomax S3, S4, S5, S6, S7
<b>73-73</b>	Consumables and Service tools
<b>73-76</b>	<b>Switches</b>
<b>75-76</b>	Motorized change-over Switches
<b>77-92</b>	<b>Contactors</b>
<b>93-97</b>	<b>R contactors</b>
<b>98-99</b>	<b>Arc guards</b>

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# Introduction

## ABB Service

ABB Service is more than a simple Service!

ABB is a pioneering technology leader for utilities, industries, transportations and infrastructures. The company was found in 1988 by the merger between ASEA and Brown Bover & Cie (BBC), two of the most important electrical companies of the last century.

ABB has extensively invested in Service developing advanced solutions aim to guarantee the continuous revamping of products and systems according to the technology progress.

### Spare Parts

Spare Parts availability is the key of a successful Service!

A spare part is a replaceable product's component fundamental to ensure the functioning of the system to which it belongs.

Having original spare parts always at your disposal means guarantee the highest level of performance to your plant reducing significantly the risk of failure as well as the down-time due to the maintenance.

ABB guarantees a 100 % of compatibility of all Spare Parts that are going to replace the defective components of your equipment. All Spare Parts are equipped with instruction sheets to enable a correct and safety assembly and are delivered in short times in order to fulfill customer's needs.





# Introduction

## Service for low voltage products



ABB provides a full range of low voltage solutions to connect, protect, control and measure electrical installations, enclosures, switchboards, electronics and electromechanical devices.

Low voltage service portfolio includes a wide range of solutions resulting from the research and realized in order to keep your plant operating reliably and efficiently.

### **Retrofitting kits**

When repairing an asset is no longer possible or convenient, ABB offers standard and advanced Retrofitting solutions consisting in the addition of new technologies or features to the existing systems in order to upgrade and to enhance your devices.

### **Maintenance**

ABB Service presents different maintenance solutions with the aim to ensure the continuous operation of your plant.

ABB offers corrective and preventive maintenance programs as well as predictive maintenance tools developed to guarantee a relevant reduction of the total cost due maintenance and repairs.



### **Training**

ABB Service performs accurate training sessions intended to supervisors, technicians, engineers, users and maintenance workers aim to teach how to respond rapidly and efficiently in different critical situations.

ABB's training courses are opened to customers, partners and own personnel.

### **Spare Parts**

Spare Parts for our products are available in every moment and, in accordance to the difficult of the replacement process, can be applied by customers or by ABB's technical experts. In the first case, ABB Service provides specific mounting instructions.

### **Replacement**

ABB offers the possibility to replace own products with completely new ones.

ABB Service guarantees a total availability of a product as long as it is in the Classic phase of the Life Cycle Management and a partial availability during the Limited phase.

More details of the Life Cycle Management of ABB products are explained in the next paragraph.

Our competent network of service units is spread around the world and is always ready to ensure the satisfaction of your demands with the utmost care.

# Introduction

## LCM

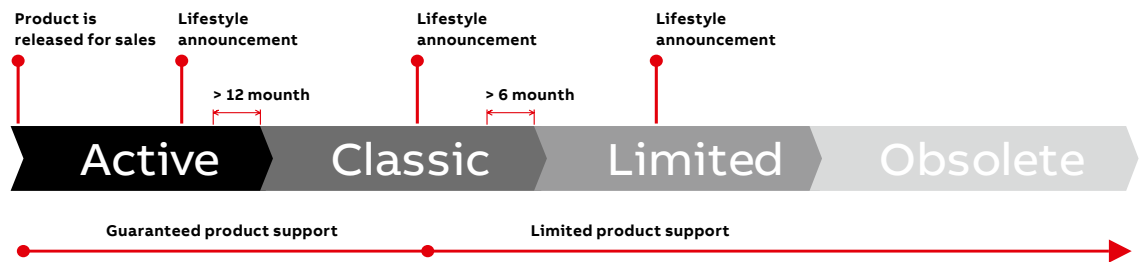


### LCM

Every year, ABB SACE reviews the Life Cycle Management policy (LCM) for every product and publishes information on the exact product's phase. There are 4 phases: Active, Classic, Limited and Obsolete.

(For more details visit our website: <http://new.abb.com/service/lifecyclemanagement>)

- Active** = standard development, production and sale.
- Classic** = maintenance phase of the product: spare parts availability is guaranteed for replacing in existing plants.
- Limited** = spare parts are available. The production of the CB's whole range is not guaranteed and the technical support is limited.
- Obsolete** = technical support is no more guaranteed. The production of the CB's whole range has ended but spare parts might be available. Retrofit solutions are available.



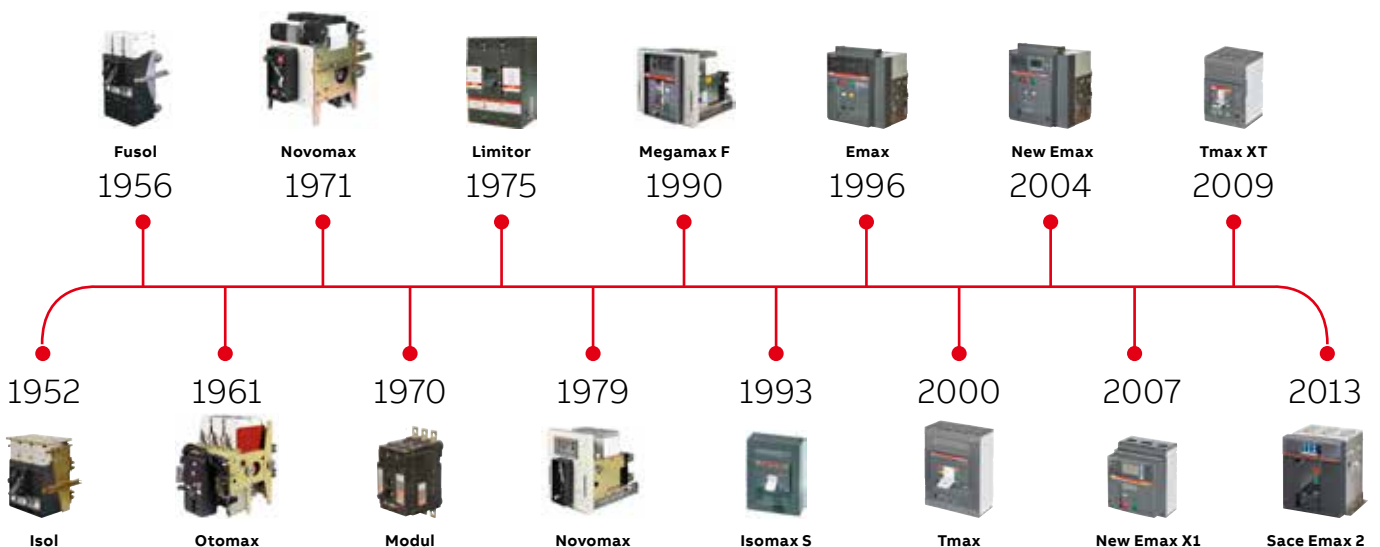


# Circuit Breakers

ABB SACE means quality and innovation inside the low voltage world. ABB has celebrated success with various range of air (ACB) and moulded case (MCCB) circuit breakers by the acquisition of SACE (Società Anonima Soluzioni Elettromeccaniche), a market leader in low voltage circuit breakers that was founded in 1918 in Bergamo – Italy. ABB circuit breakers have been designed to be adapted in different utilizations, such as industrial and naval applications, power generation installations, buildings, data center and shopping centers.

These devices ensure high performances, safety and guarantee an easy replacement of components. The continuous functioning of every single circuit breaker is essential for all its applications and ABB Service is constantly looking to efficient solutions in order to maintain customer's devices. The table below shows all the service solutions for circuit breakers that are currently available.

Life Cycle Management (LCM)	CBs Type	Service solutions				
		Spare Parts/ Accessories	Maintenance	Retrofitting kit	Training	New Product/ Replacement
Active	Emax 2	●	●		●	●
	Tmax XT	●	●		●	●
	Tmax (T4...T8)	●	●		●	●
Classic	New Emax	●	●	●	●	●
Limited	Tmax (T2...T3)	●				●
Obsolete	Tmax T1	●				
	Emax	●	●	●	●	
	Novomax	●	●	●	●	
	Megamax F	●	●	●		
	Otomax			●		
	Novomax G30			●		
	Isomax S	●				
	Limitor					
	Modul			●		
	Isol/Fusol			●		



# Circuit Breakers

## Retrofitting kits



### Retrofitting kits

ABB offers three different solutions to retrofit your circuit breakers: Hard Bus Retrofill, Cradle in Cradle, Direct Replacement.

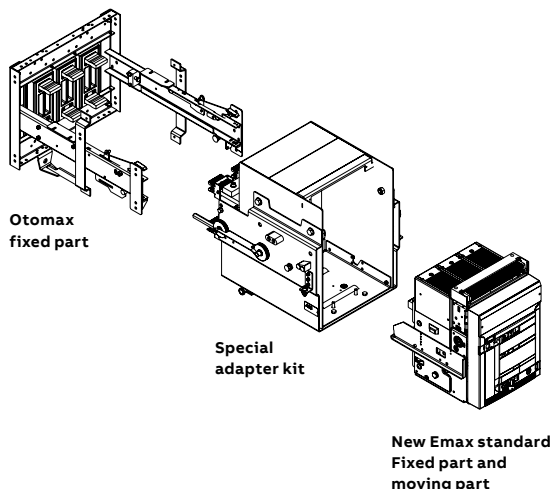
**Hard Bus Retrofill:** This solution is a complete substitution of the old circuit-breaker.

The kit consists of:

- special adapter copper bars to connect the terminals of the new circuit-breaker to the busbars designed for the old breaker;
- where the dimension of the new circuit-breaker is more compact, an insulating layer is added, as part of the solution, to create shield for the live electrical parts;
- Adhesive template and metal adapters to facilitate panel door cutout.

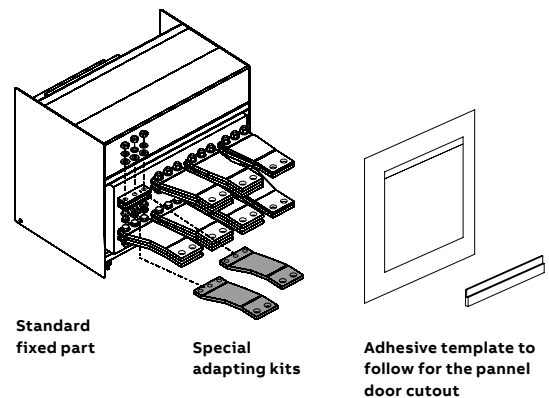
ABB SACE offers even more advanced retrofitting solutions for withdrawable version circuit-breakers. The fixed part of the old circuit-breaker is not removed\*:

**Cradle in Cradle:** modifications are made to the fixed part of the old circuit-breaker that usually has bigger dimensions. A special fixed part for the new circuit-breaker is mounted into the old fixed part, so that the standard moving part of the new circuit-breaker can be easily racked in and out.

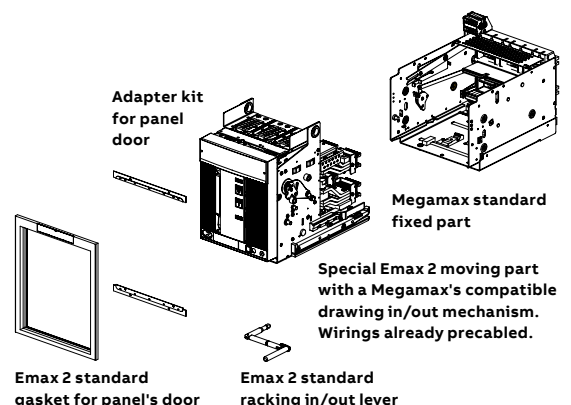


Before choosing any of the advanced solutions, it is necessary to verify that the fixed part is in good conditions: if it is irrevocably broken, it must be substituted. See our Fixed part checklist document (1SDH001279R0002).

For more details, visit our website <http://new.abb.com/low-voltage/service/service-breakers-switches/extensionupgrades-and-retrofits> and it is necessary to check panel dimensions especially if there are external devices like heating elements, wiring accessories, fuseholders, CAM switches, etc.



**Direct Replacement (DR):** This is the most advanced solution for the end user which requires the shortest downtime for replacement: the moving part of the old circuitbreaker is removed and a special moving part of the new circuit-breaker is suitably modified and tested to fit into the existing fixed part. This implies very short plant shutdown of the single user. The kit, pre-mounted by ABB SACE, changes the fixed circuit-breaker into a proper moving part to be fitted into the existing fixed part. The only other work that needs to be completed is the cutting of the switchboard panel to suit the size of the new breaker. All standard accessories are already precabled.



\* Before ordering, it is necessary to check panel dimensions especially if there are external devices like heating elements, wiring accessories, fuseholders, CAM switches, etc...



# Circuit Breakers

## Spare Parts

ABB Service continuously ensures that Spare Parts are available to support customer during maintenance activity.

**Management:** Every time that a new circuit-breaker family is launched ABB defines the list of spare parts to facilitate the customers during maintenance activity. During the product life new spare parts can be defined to upgrade the components of the circuit-breakers.

**Product Quality:** ABB provides guaranteed and genuine spare parts with all the components tested and equipped with instruction sheets to enable a correct and safety assembly. The spare parts are classified in "Type A" and not "Type A".

A lot of ABB original spare parts can be easily replaced by the equipment owners. However there are some parts which require more complex, and/or potentially dangerous installation procedures. There last are categorized "Type A" and can only be replaced by qualified ABB technicians who possess the correct tools and competences. The technicians take part of the Service Network which is accessible to you.

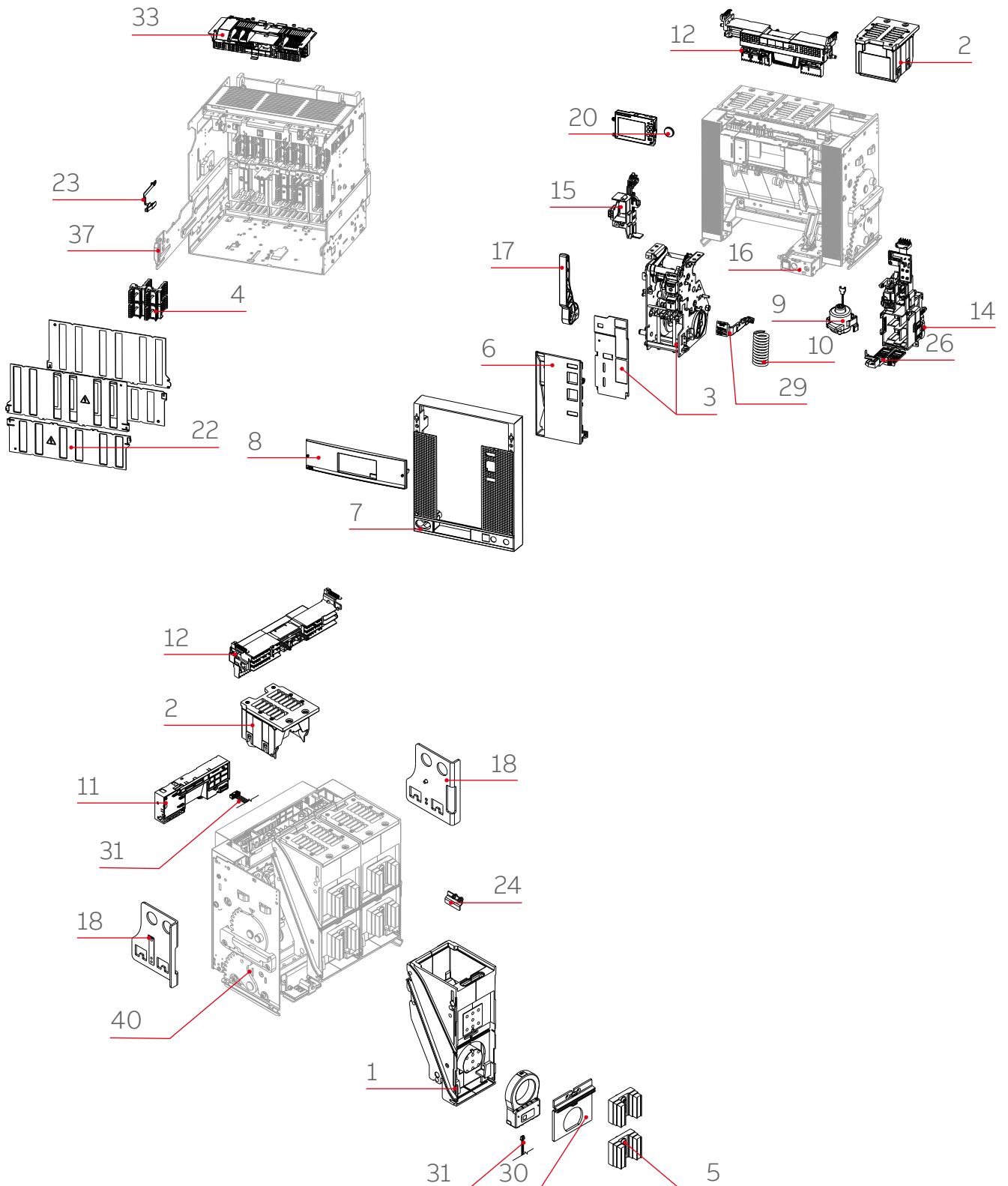
**Efficiency:** all spare parts are delivered in a short time to fulfil customer's needs

**Legend:**

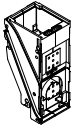
- Size:** circuit-breaker size
- Poles:** three poles (3p) or four poles (4p) circuit-breaker
- Version:** F = fixed  
W = draw out  
P = plug-in version  
W (MP) = moving part of draw out version  
W (FP) = fixed part of draw out version
- IEC/UL:** component compatible for IEC or/and UL Standard circuit-breaker
- Code:** part number to order
- Type spare:** spares can be:
- Type A = only ABB L3 expert field service engineer can replace the part
- Min quantity:** number of spare parts to order to complete one circuit-breaker

# Circuit Breakers

## ACB Spare Parts - Emax 2 E1.2, E2.2, E4.2, E6.2



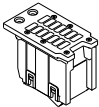




**1 - Single phase pole**

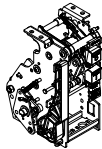
Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E2.2 - Iu≤2000A	3p; 4p	IEC	F; W (MP)	1SDA081187R1	A	3 or 4
E2.2 - Iu=2500A	3p; 4p	IEC	F; W (MP)	1SDA081188R1	A	3 or 4
E4.2	3p; 4p	IEC	F; W (MP)	1SDA081189R1	A	3 or 4
E6.2 - Half phase	3p; 4p; 4p/f	IEC	F; W (MP)	1SDA081190R1	A	6 or 7 or 8

Arching chamber is not included. Order it separately



**2 - Single arching chamber**

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E2.2	3p; 4p	IEC	F; W (MP)	1SDA081430R1		3 or 4
E4.2; E6.2	3p; 4p	IEC	F; W (MP)	1SDA081431R1		3 or 4 for E4.2, 6 or 7 or 8 for E6.2



**3 - Operating mechanism**

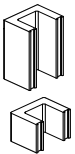
Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E2.2	3p; 4p	IEC/UL	F; W (MP)	1SDA081191R1	A	1
E4.2	3p; 4p	IEC/UL	F; W (MP)	1SDA081192R1	A	1
E6.2	3p; 4p	IEC/UL	F; W (MP)	1SDA081193R1	A	1
E6.2	4p/f	IEC/UL	F; W (MP)	1SDA081194R1	A	1

Closing Springs to be ordered separately



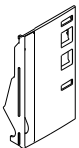
**4 - Jaw contacts**

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1.2	3p; 4p	IEC	W (FP)	1SDA081164R1		3 or 4
E2.2 - Iu≤2000A	3p; 4p	IEC	W (FP)	1SDA081195R1		3 or 4
E2.2 - Iu=2500A	3p; 4p	IEC	W (FP)	1SDA081196R1		3 or 4
E4.2 - Iu≤3200A	3p; 4p	IEC	W (FP)	1SDA081197R1		3 or 4
E4.2 - Iu=4000A	3p; 4p	IEC	W (FP)	1SDA081198R1		3 or 4
E6.2	3p; 4p; 4p/f	IEC	W (FP)	1SDA081199R1		6 or 7 or 8



**5 - Moving part Terminals**

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity*
E2.2 - Iu≤2000A	3p; 4p	IEC	W (MP)	1SDA081243R1	A	3 or 4
E2.2 - Iu=2500A	3p; 4p	IEC	W (MP)	1SDA081244R1	A	3 or 4
E4.2 - Iu≤3200A	3p; 4p	IEC	W (MP)	1SDA081245R1	A	3 or 4
E4.2 - Iu=4000A	3p; 4p	IEC	W (MP)	1SDA081246R1	A	3 or 4
E6.2	3p; 4p/f	IEC	W (MP)	1SDA081247R1	A	6 or 7 or 8



**6 - Safety cover**

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1.2	3p; 4p	IEC/UL	F; W (MP)	1SDA081402R1		1
E2.2; E4.2; E6.2	3p; 4p	IEC/UL	F; W (MP)	1SDA081432R1		1

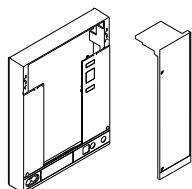
For each part ordered, specify the Serial number of the circuit-breaker it is intended for.

Min quantity = min quantity to complete a circuit-breaker: The quantity is related to the number of phases (3 or 4 polese) of the circuit-breaker (E6.2 has half phases so quantities are double)

Type A Spare part = only for ABB L3 technicians

# Circuit Breakers

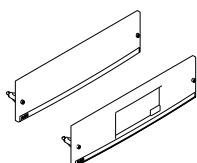
## ACB Spare Parts - Emax 2 E1.2, E2.2, E4.2, E6.2



### 7 - Accessories Cover

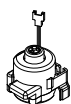
Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1.2	3p	IEC/UL	F; W (MP)	1SDA081403R1		1
E1.2	4p	IEC/UL	F; W (MP)	1SDA081404R1		1
E2.2	3p	IEC/UL	F	1SDA081433R1		1
E2.2	4p	IEC/UL	F	1SDA081434R1		1
E2.2	3p	IEC/UL	W (MP)	1SDA081435R1		1
E2.2	4p	IEC/UL	W (MP)	1SDA081436R1		1
E4.2	3p	IEC/UL	F	1SDA081437R1		1
E4.2	4p	IEC/UL	F	1SDA081438R1		1
E4.2	3p	IEC/UL	W (MP)	1SDA081439R1		1
E4.2	4p	IEC/UL	W (MP)	1SDA081440R1		1
E6.2	3p	IEC/UL	F	1SDA081441R1		1
E6.2	4p	IEC/UL	F	1SDA081442R1		1
E6.2	3p	IEC/UL	W (MP)	1SDA081443R1		1
E6.2	4p	IEC/UL	W (MP)	1SDA081444R1		1
E6.2	4p/f	IEC/UL	F	1SDA081445R1		1
E6.2	4p/f	IEC/UL	W (MP)	1SDA081446R1		1
E1.2 - Castell*	3p; 4p	IEC/UL	F; W (MP)	1SDA082145R1		1
E2.2...E6.2 - Castell*	3p; 4p	IEC/UL	F	1SDA082146R1		1
E2.2...E6.2 - Castell* KLC	3p; 4p	IEC/UL	W (MP)	1SDA082149R1		1
E2.2...E6.2 - Castell* KLC+ KLP	3p; 4p	IEC/UL	W (MP)	1SDA082150R1		1
E2.2...E6.2 - Castell* KLP	3p; 4p	IEC/UL	W (MP)	1SDA082151R1		1

Trip Reset is not included. Reuse the existing one. \* The lock is not included



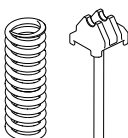
### 8 - Transparent cover for trip unit

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1.2 dip	3p; 4p	IEC/UL	F; W (MP)	1SDA081405R1		1
E1.2 Touch	3p; 4p	IEC/UL	F; W (MP)	1SDA081406R1		1
E2.2; E4.2; E6.2 dip	3p; 4p	IEC/UL	F; W (MP)	1SDA081447R1		1
E2.2; E4.2; E6.2 Touch	3p; 4p	IEC/UL	F; W (MP)	1SDA081448R1		1



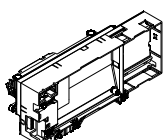
### 9 - Trip coil

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1.2	3p; 4p	IEC/UL	F; W (MP)	1SDA081407R1		1
E2.2; E4.2; E6.2	3p; 4p	IEC/UL	F; W (MP)	1SDA081449R1		1



### 10 - Closing Spring

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E2.2 - Iu≤2000A	3p	IEC/UL	F; W (MP)	1SDA081207R1	A	1
E2.2 - Iu≤2000A	4p	IEC/UL	F; W (MP)	1SDA081208R1	A	1
E2.2 - Iu=2500A; E4.2	3p	IEC/UL	F; W (MP)	1SDA081208R1	A	1
E2.2 - Iu=2500A; E4.2	4p	IEC/UL	F; W (MP)	1SDA081209R1	A	1
E6.2	3p	IEC/UL	F; W (MP)	1SDA081210R1	A	1
E6.2	4p; 4p/f	IEC/UL	F; W (MP)	1SDA081211R1	A	1



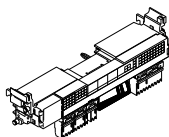
### 11 - Main board

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1.2	3p; 4p	IEC/UL	F; W (MP)	1SDA081408R1		1
E2.2; E4.2; E6.2	3p; 4p	IEC/UL	F; W (MP)	1SDA081450R1		1

For each part ordered, it is mandatory to specify the Serial number of the circuit-breaker it is intended for.

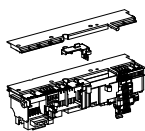
Type A Spare part = only for ABB L3 technicians





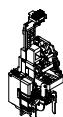
**12 - Sliding contact for Moving Part**

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1.2	3p	IEC/UL	W (MP)	1SDA081167R1		1
E1.2	4p	IEC/UL	W (MP)	1SDA081168R1		1
E2.2; E4.2; E6.2	3p; 4p	IEC/UL	W (MP)	1SDA081212R1		1
E2.2; E4.2; E6.2 - MS	3p; 4p	IEC/UL	W (MP)	1SDA081213R1		1



**13 - Terminal box connection interface**

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1.2	3p; 4p	IEC/UL	F	1SDA081409R1		1
E2.2; E4.2; E6.2	3p; 4p	IEC/UL	F; W (MP)	1SDA081451R1		1
E2.2; E4.2; E6.2 - MS	3p; 4p	IEC/UL	F; W (MP)	1SDA081452R1		1



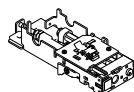
**14 - Right plate for accessories (Right MID)**

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1.2	3p; 4p	IEC/UL	F; W (MP)	1SDA081169R1	A	1
E2.2; E4.2; E6.2	3p; 4p	IEC/UL	F; W (MP)	1SDA081214R1	A	1
E2.2; E4.2; E6.2 - MS	3p; 4p	IEC/UL	F; W (MP)	1SDA081215R1	A	1



**15 - Left plate for accessories (Left MID)**

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1.2	3p; 4p	IEC/UL	F; W (MP)	1SDA081170R1		1
E2.2; E4.2; E6.2	3p; 4p	IEC/UL	F; W (MP)	1SDA081453R1		1



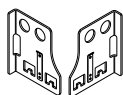
**16 - Racked in and out device (CD)**

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E2.2; E4.2; E6.2	3p; 4p	IEC/UL	W (MP)	1SDA081216R1	A	1



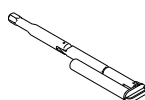
**17 - Spring Charging lever**

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E2.2; E4.2; E6.2	3p; 4p	IEC/UL	F; W (MP)	1SDA081217R1		1



**18 - Lifting plates**

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E2.2; E4.2; E6.2	3p; 4p	IEC/UL	F; W (MP)	1SDA081454R1		1



**19 - Racking in and out lever**

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1.2	3p; 4p	IEC/UL	W (MP)	1SDA081410R1		1
E2.2; E4.2; E6.2	3p; 4p	IEC/UL	W (MP)	1SDA081455R1		1



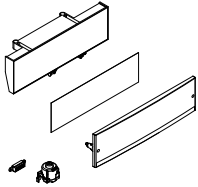
**20 - Trip Unit Battery**

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1.2; E2.2; E4.2; E6.2	3p; 4p	IEC/UL	F; W (MP)	1SDA074193R1		1

Type A Spare part = only for ABB L3 technicians

# Circuit Breakers

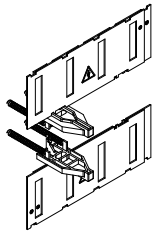
## ACB Spare Parts - Emax 2 E1.2, E2.2, E4.2, E6.2



### 21 - Conversion kit into switch-disconnector MS

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1.2B	3p; 4p	IEC/UL	F	1SDA081172R1	A	1
E1.2N	3p; 4p	IEC/UL	F	1SDA081173R1	A	1
E1.2B	3p; 4p	IEC/UL	W (MP)	1SDA081174R1	A	1
E1.2N	3p; 4p	IEC/UL	W (MP)	1SDA081175R1	A	1

For each part ordered, specify the Serial number of the circuit-breaker it is intended for



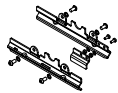
### 22 - Safety shutters for fixed part

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1.2	3p	IEC	W (FP)	1SDA081411R1		1
E1.2	4p	IEC	W (FP)	1SDA081412R1		1
E2.2	3p	IEC	W (FP)	1SDA081457R1		1
E2.2	4p	IEC	W (FP)	1SDA081458R1		1
E4.2	3p	IEC	W (FP)	1SDA081459R1		1
E4.2	4p	IEC	W (FP)	1SDA081460R1		1
E6.2	3p	IEC	W (FP)	1SDA081461R1		1
E6.2	4p	IEC	W (FP)	1SDA081462R1		1
E6.2	4p/f	IEC	W (FP)	1SDA081463R1		1



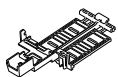
### 23 - Earth sliding contact for Fixed Part

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E2.2; E4.2; E6.2	3p; 4p	IEC/UL	W (FP)	1SDA081465R1		1



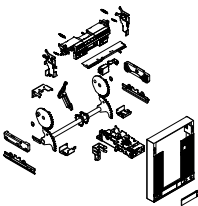
### 24 - Earth sliding contact for Moving Part and supports

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E2.2; E4.2; E6.2	3p; 4p	IEC/UL	W (MP)	1SDA081464R1		1



### 25 - Cover for right plate for accessories (Right MID Cover)

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E2.2; E4.2; E6.2	3p; 4p	IEC/UL	F; W (MP)	1SDA081466R1		1



### 26 - Conversion kit from Fixed to Moving part

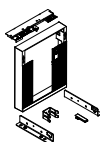
Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1.2	3p	IEC	F	1SDA081176R1	A	1
E1.2	4p	IEC	F	1SDA081177R1	A	1
E2.2	3p	IEC	F	1SDA081234R1	A	1
E2.2	4p	IEC	F	1SDA081235R1	A	1
E4.2	3p	IEC	F	1SDA081236R1	A	1
E4.2	4p	IEC	F	1SDA081237R1	A	1
E6.2	3p	IEC	F	1SDA081238R1	A	1
E6.2	4p	IEC	F	1SDA081239R1	A	1
E6.2	4p/f	IEC	F	1SDA081240R1	A	1

For each part ordered, specify the Serial number of the circuit-breaker it is intended for. Moving part terminals and Racking in/out Lever to be ordered separately (see spares n. 5 and 19).



**27 - Fixing screws kit - 50 pcs**

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1.2 - wall mounted	3p; 4p	IEC/UL	F	1SDA081179R1		1
E1.2 - floor mounted	3p; 4p	IEC/UL	F	1SDA081413R1		1
E1.2 - floor mounted	3p; 4p	IEC/UL	W (FP)	1SDA081414R1		1
E2.2; E4.2; E6.2	3p; 4p	IEC/UL	F; W (FP)	1SDA081467R1		1



**28 - Conversion kit from Moving Part into Fixed Version**

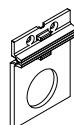
Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1.2 - wall mounted	3p; 4p	IEC/UL	W (MP)	1SDA081178R1	A	1
E1.2 - floor mounted	3p; 4p	IEC/UL	W (MP)	1SDA082303R1	A	1
E2.2; E4.2; E6.2	3p; 4p	IEC/UL	W (MP)	1SDA081241R1	A	1

For each part ordered, it is mandatory to specify the Serial number of the circuit-breaker it is intended for. Standard terminals not included: to be ordered separately



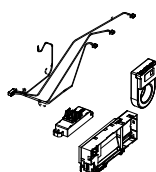
**29 - Signalling charged spring lever**

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E2.2; E4.2; E6.2	3p; 4p	IEC/UL	F; W (MP)	1SDA081242R1	A	1



**30 - Sensors plastic covers**

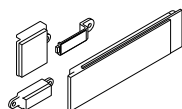
Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E2.2	3p; 4p	IEC/UL	F; W (MP)	1SDA081468R1		1
E4.2	3p; 4p	IEC/UL	F; W (MP)	1SDA081469R1		1
E6.2	3p; 4p; 4p/f	IEC/UL	F; W (MP)	1SDA081470R1		1



**31 - Main board + Sensors + cables**

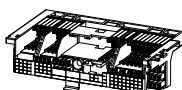
Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E2.2	3p	IEC/UL	F; W (MP)	1SDA081200R1	A	1
E2.2	4p	IEC/UL	F; W (MP)	1SDA081201R1	A	1
E4.2	3p	IEC/UL	F; W (MP)	1SDA081202R1	A	1
E4.2	4p	IEC/UL	F; W (MP)	1SDA081203R1	A	1
E6.2	3p	IEC/UL	F; W (MP)	1SDA081204R1	A	1
E6.2	4p	IEC/UL	F; W (MP)	1SDA081205R1	A	1
E6.2	4p/f	IEC/UL	F; W (MP)	1SDA081206R1	A	1

For each part ordered, it is mandatory to specify the Serial number of the circuit-breaker it is intended for.



**32 - Kit front cover plugs**

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1.2	3p; 4p	IEC/UL	F; W (MP)	1SDA081415R1		1
E2.2; E4.2; E6.2	3p; 4p	IEC/UL	F; W (MP)	1SDA081471R1		1



**33 - Terminal box fixed part**

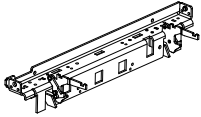
Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1.2	3p; 4p	IEC/UL	W (FP)	1SDA081180R1		1
E2.2; E4.2	3p; 4p	IEC/UL	W (FP)	1SDA082152R1		1
E6.2	3p; 4p; 4p/f	IEC/UL	W (FP)	1SDA082153R1		1

Type A Spare part = only for ABB L3 technicians



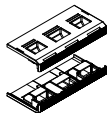
# Circuit Breakers

## ACB Spare Parts - Emax 2 E1.2, E2.2, E4.2, E6.2



### 34 - Support for terminal box of Fixed Part

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1.2	3p	IEC/UL	W (FP)	1SDA082237R1	A	1
E1.2	4p	IEC/UL	W (FP)	1SDA082238R1	A	1
E2.2	3p	IEC/UL	W (FP)	1SDA081249R1	A	1
E2.2	4p	IEC/UL	W (FP)	1SDA081250R1	A	1
E4.2	3p	IEC/UL	W (FP)	1SDA081251R1	A	1
E4.2	4p	IEC/UL	W (FP)	1SDA081252R1	A	1
E6.2	3p	IEC/UL	W (FP)	1SDA081253R1	A	1
E6.2	4p	IEC/UL	W (FP)	1SDA081254R1	A	1
E6.2	4p/f	IEC/UL	W (FP)	1SDA081255R1	A	1



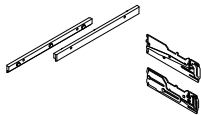
### 35 - Terminal covers

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1.2	3p	IEC/UL	W (MP)	1SDA081182R1		1
E1.2	4p	IEC/UL	W (MP)	1SDA081183R1		1



### 36 - CD lock lever

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E2.2; E4.2; E6.2	3p; 4p	IEC/UL	W (MP)	1SDA081256R1	A	1



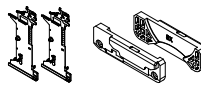
### 37 - Lateral guides for fixed part

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E2.2; E4.2; E6.2	3p; 4p	IEC	W (FP)	1SDA082154R1	A	1



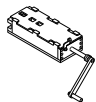
### 38 - Tripping mechanism

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E2.2; E4.2; E6.2	3p; 4p	IEC	F; W (MP)	1SDA082187R1	A	1



### 39 - Lateral guides for Moving part

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1.2	3p; 4p	IEC	W (MP)	1SDA082188R1		1
E2.2; E4.2; E6.2	3p; 4p	IEC	W (MP)	1SDA082302R1		1



### 40 - Spring charging device

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E2.2; E4.2; E6.2	3p; 4p	IEC	F; W (MP)	1SDA082230R1	A	1

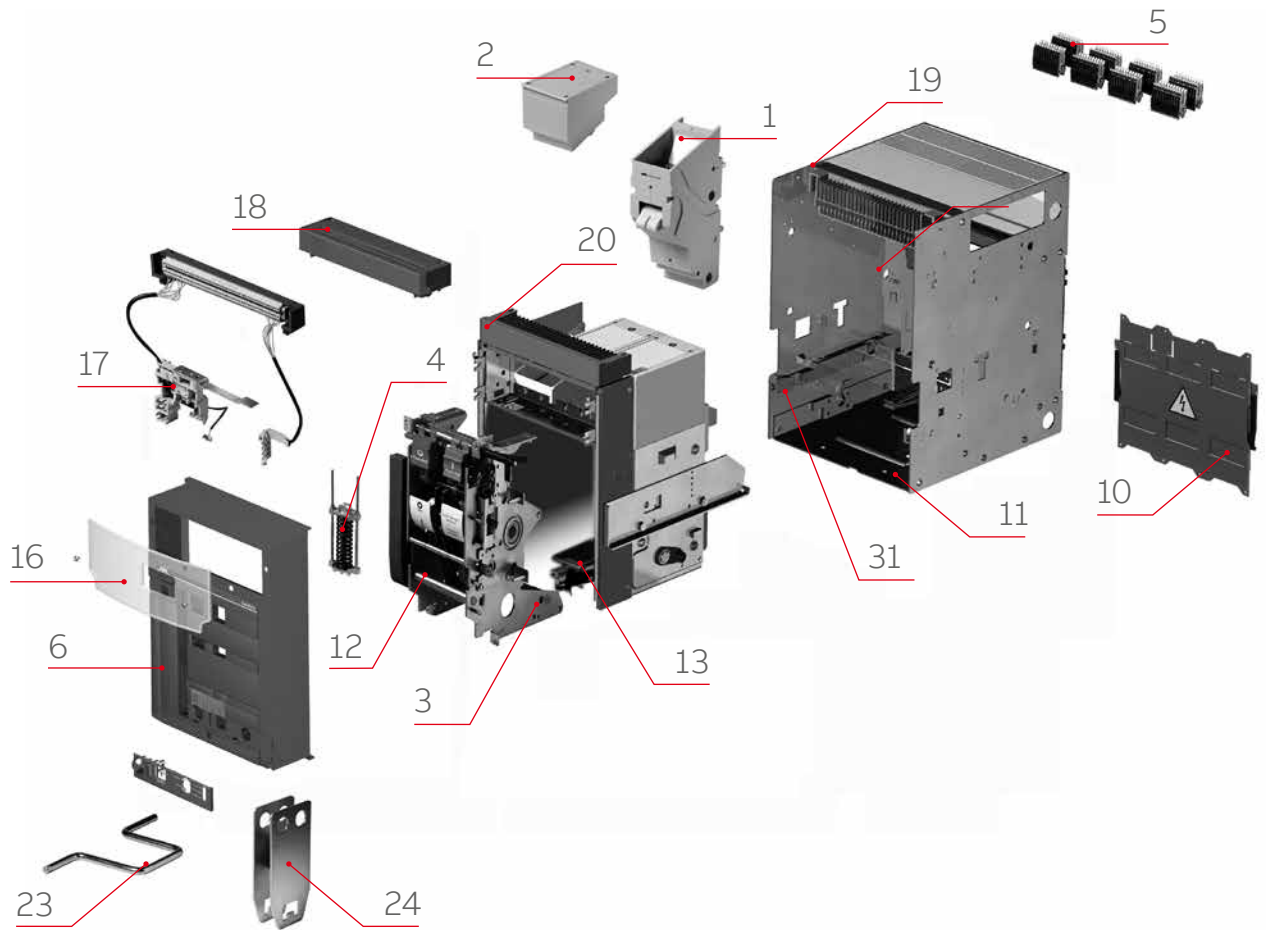


### 41 - ACB floor crane

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1.2; E2.2; E4.2; E6.2	3p; 4p	IEC/UL	F; W (MP)	1SDA103910R1		1

# Circuit Breakers

ACB Spare Parts - New Emax E1, E2, E3, E4, E6



# Circuit Breakers

## ACB Spare Parts - New Emax E1, E2, E3, E4, E6

### 1 - Single phase pole

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1B; E1N	3p, 4p	IEC	F; W (MP)	1SDA045691R1	A	3 or 4
E2B; E2N	3p, 4p	IEC	F; W (MP)	1SDA045692R1	A	3 or 4
E2B/E; E2N/E - 1150V AC	3p, 4p	IEC	F; W (MP)	1SDA080771R1	A	3 or 4
E2S	3p, 4p	IEC	F; W (MP)	1SDA063387R1	A	3 or 4
E2L	3p, 4p	IEC	F; W (MP)	1SDA045695R1	A	3 or 4
E3N; E3S; E3H	3p, 4p	IEC	F; W (MP)	1SDA045693R1	A	3 or 4
E3H/E - 1150V AC	3p, 4p	IEC	F; W (MP)	1SDA080772R1	A	3 or 4
E3L	3p, 4p	IEC	F; W (MP)	1SDA045696R1	A	3 or 4
E3V	3p, 4p	IEC	F; W (MP)	1SDA063388R1	A	3 or 4
E4S; E4H - half phase	3p, 4p, 4p/f	IEC	F; W (MP)	1SDA045692R1	A	6 or 7 or 8
E4V; E4V-A; E4L-A - half phase	3p, 4p, 4p/f	UL/IEC	F; W (MP)	1SDA063390R1	A	6 or 7 or 8
E4H/E - 1150V AC	3p, 4p	IEC	F; W (MP)	1SDA080771R1	A	6 or 7 or 8
E6H - half phase	3p, 4p	IEC	F; W (MP)	1SDA045694R1	A	6 or 7
E6H - half-phase	4p/f	IEC	F; W (MP)	1SDA063386R1	A	8
E6V; E6V-A; E6L-A	3p, 4p	IEC/UL	F; W (MP)	1SDA063389R1	A	6 or 7
E6H/E - 1150V AC	3p, 4p, 4p/f	IEC	F; W (MP)	1SDA080773R1	A	6 or 7 or 8



### 2 - Single arching chamber

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1B; E1N; E2B; E2N; E2S	3p, 4p	IEC	F; W (MP)	1SDA045697R1		3 or 4
E2L	3p, 4p	IEC	F; W (MP)	1SDA045699R1		3 or 4
E2S-A	3p, 4p	UL	F; W (MP)	1SDA064289R1		4 or 4
E3N; E3S; E3H	3p, 4p	IEC	F; W (MP)	1SDA045698R1		3 or 4
E3L	3p, 4p	IEC	F; W (MP)	1SDA045700R1		3 or 4
E3V; E3X-A	3p, 4p	IEC/UL	F; W (MP)	1SDA063391R1		3 or 4
E4S; E4H - half phase	3p, 4p, 4p/f	IEC	F; W (MP)	1SDA045697R1		6 or 7 or 8
E4V - half phase	3p, 4p, 4p/f	IEC	F; W (MP)	1SDA064289R1		6 or 7 or 8
E6H - half phase	3p, 4p, 4p/f	IEC	F; W (MP)	1SDA045698R1		6 or 7 or 8
E6V - half phase	3p, 4p	IEC	F; W (MP)	1SDA063391R1		6 or 7



### 3 - Operating mechanism

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1B; E1N; E2B; E2N; E2L	3p	IEC	F; W (MP)	1SDA053988R1	A	1
E1B; E1N; E2B; E2N; E2L	4p	IEC	F; W (MP)	1SDA053989R1	A	1
E3L	3p, 4p	IEC	F; W (MP)	1SDA053988R1	A	1
E3N; E3S; E3H; E3V	3p, 4p	IEC	F; W (MP)	1SDA053989R1	A	1
E2S	3p	IEC	F; W (MP)	1SDA065712R1	A	1
E2S	4p	IEC	F; W (MP)	1SDA065713R1	A	1
E4S; E4H; E4V; E6H; E6V	3p, 4p, 4p/f	IEC	F; W (MP)	1SDA065715R1	A	1
E1B-A; E1N-A; E2B-A; E2N-A; E2H-A	3p	UL	F; W (MP)	1SDA053988R1	A	1
E1B-A; E1N-A; E2B-A; E2N-A; E2H-A	4p	UL	F; W (MP)	1SDA053989R1	A	1
E2S-A	3p	UL	F; W (MP)	1SDA065712R1	A	1
E2S-A	4p	UL	F; W (MP)	1SDA065713R1	A	1
E3N-A; E3S-A; E3H-A; E3V-A	3p, 4p	UL	F; W (MP)	1SDA053989R1	A	1
E3X-A	3p, 4p	UL	F; W (MP)	1SDA053988R1	A	1
E4S-A; E4H-A; E4V-A; E4L-A	3p, 4p, 4p/f	UL	F; W (MP)	1SDA065715R1	A	1
E6H-A; E6V-A; E6L-A	3p, 4p, 4p/f	UL	F; W (MP)	1SDA065715R1	A	1
E6X-A	3p, 4p, 4p/f	UL	F; W (MP)	1SDA065714R1	A	1



Type A Spare part = only for ABB L3 technicians



**4 - Closing spring**

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1B; E1N	3p	IEC	F; W (MP)	1SDA053990R1	A	1
E1B; E1N	4p	IEC	F; W (MP)	1SDA053991R1	A	1
E2B; E2N	3p	IEC	F; W (MP)	1SDA053991R1	A	1
E2B; E2N	4p	IEC	F; W (MP)	1SDA053992R1	A	1
E2L	3p, 4p	IEC	F; W (MP)	1SDA053990R1	A	1
E2S	3p	IEC	F; W (MP)	1SDA053993R1	A	1
E2S	4p	IEC	F; W (MP)	1SDA053994R1	A	1
E3N; E3S; E3H	3p	IEC	F; W (MP)	1SDA053993R1	A	1
E3N; E3S; E3H	4p	IEC	F; W (MP)	1SDA053994R1	A	1
E3L	3p, 4p	IEC	F; W (MP)	1SDA053991R1	A	1
E4S; E4H; E4V	3p, 4p/f	IEC	F; W (MP)	1SDA053995R1	A	1
E4S; E4H; E4V	4p	IEC	F; W (MP)	1SDA053996R1	A	1
E6H; E6V	3p	IEC	F; W (MP)	1SDA053995R1	A	1
E6H; E6V	4p, 4p/f	IEC	F; W (MP)	1SDA053996R1	A	1
E1B-A; E1N-A	3p	UL	F; W (MP)	1SDA053990R1	A	1
E1B-A; E1N-A	4p	UL	F; W (MP)	1SDA053991R1	A	1
E2B-A; E2N-A	3p	UL	F; W (MP)	1SDA053991R1	A	1
E2B-A; E2N-A	4p	UL	F; W (MP)	1SDA053992R1	A	1
E2H-A	3p, 4p	UL	F; W (MP)	1SDA053990R1	A	1
E2S-A	3p	UL	F; W (MP)	1SDA053993R1	A	1
E2S-A	4p	UL	F; W (MP)	1SDA053994R1	A	1
E3N-A; E3S-A; E3H-A; E3V-A	3p	UL	F; W (MP)	1SDA053993R1	A	1
E3N-A; E3S-A; E3H-A; E3V-A	4p	UL	F; W (MP)	1SDA053994R1	A	1
E3X-A	3p, 4p	UL	F; W (MP)	1SDA053991R1	A	1
E4S-A; E4H-A; E4V-A; E4L-A; E4H-A	3p, 4p/f	UL	F; W (MP)	1SDA053995R1	A	1
E4S-A; E4H-A; E4V-A; E4L-A; E4H-A	4p	UL	F; W (MP)	1SDA053996R1	A	1
E6H-A; E6V-A; E6L-A; E6X-A	3p	UL	F; W (MP)	1SDA053995R1	A	1
E6H-A; E6V-A; E6L-A; E6X-A	4p, 4p/f	UL	F; W (MP)	1SDA053996R1	A	1



**5 - Jaw contacts set**

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1B; E1N - 8 pcs	3p, 4p	IEC/UL	W (MP)	1SDA047823R1		1
E2B; E2N; E2L - 8 pcs	3p, 4p	IEC	W (MP)	1SDA047824R1		1
E2S; E2S-A; E2H-A - 8 pcs	3p, 4p	IEC/UL	W (MP)	1SDA063400R1		1
E3N; E3S; E3H; E3V; E3L - 8 pcs	3p, 4p	IEC/UL	W (MP)	1SDA047825R1		1
E4S; E4H; E4V - 8 pcs	3p, 4p, 4p/f	IEC/UL	W (MP)	1SDA063400R1		2
E6H; E6V - 8 pcs	3p, 4p, 4p/f	IEC/UL	W (MP)	1SDA047825R1		2



**6 - Main shield and lateral covers (1)**

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1B; E1N	3p	IEC/UL	F; W (MP)	1SDA058318R1		1
E1B; E1N	4p	IEC/UL	F; W (MP)	1SDA058319R1		1
E2B; E2N; E2S; E2L	3p	IEC/UL	F; W (MP)	1SDA058318R1		1
E2B; E2N; E2S; E2L	4p	IEC/UL	F; W (MP)	1SDA058319R1		1
E3N; E3S; E3H; E3V; E3L	3p	IEC/UL	F; W (MP)	1SDA058321R1		1
E3N; E3S; E3H; E3V; E3L	4p	IEC/UL	F; W (MP)	1SDA058322R1		1
E4S; E4H; E4V	3p	IEC/UL	F; W (MP)	1SDA058323R1		1
E4S; E4H; E4V	4p	IEC/UL	F; W (MP)	1SDA058326R1		1
E4S; E4H	4p/f	IEC/UL	F; W (MP)	1SDA082345R1		1
E6H; E6V	3p	IEC/UL	F; W (MP)	1SDA058327R1		1
E6H; E6V	4p	IEC/UL	F; W (MP)	1SDA058328R1		1
E6H	4p/f	IEC/UL	F; W (MP)	1SDA082346R1		1
Ronis main shield (no lateral cover)	3p/4p	IEC	F ; W (MP)	1SDA063405R1		1

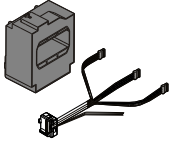
(1) the Label is not included, use the same one. \* Key lock is not included

Type A Spare part = only for ABB L3 technicians



# Circuit Breakers

## ACB Spare Parts - New Emax E1, E2, E3, E4, E6



### 7 - Measuring chain - Sensors - Part 1/3 (2)

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1B; E1N	3p	IEC/UL	F; W (MP)	1SDA069658R1		1
E2B; E2N; E2S; E2L	3p	IEC/UL	F; W (MP)	1SDA069660R1		1
E3N; E3S; E3H; E3V; E3L	3p	IEC/UL	F; W (MP)	1SDA069662R1		1
E4S; E4H; E4V	3p	IEC/UL	F; W (MP)	1SDA069664R1		1
E6H; E6V	3p	IEC/UL	F; W (MP)	1SDA069667R1		1
E1B; E1N	4p	IEC/UL	F; W (MP)	1SDA069659R1		1
E2B; E2N; E2S; E2L	4p	IEC/UL	F; W (MP)	1SDA069661R1		1
E3N; E3S; E3H; E3V; E3L	4p	IEC/UL	F; W (MP)	1SDA069663R1		1
E4S; E4H; E4V	4p	IEC/UL	F; W (MP)	1SDA069665R1		1
E6H; E6V	4p	IEC/UL	F; W (MP)	1SDA069668R1		1
E4	4p/f	IEC/UL	F; W (MP)	1SDA069666R1		1
E6	4p/f	IEC/UL	F; W (MP)	1SDA069669R1		1

(2) to be ordered with Part 2/3 and Part 3/3

Always specify the circuit-breaker serial number and details as requested in the measurement chain for New Emax file. Without it the order will not be processed. Document number: 9AKK106713A3574



### 8 - Measuring chain - Trip Unit - Part 2/3 (3)

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1...E6 - PR121/P-LI	3p; 4p; 4p/f	IEC	F; W (MP)	1SDA069670R1		1
E1...E6 - PR121/P-LSI	3p; 4p; 4p/f	IEC	F; W (MP)	1SDA069671R1		1
E1...E6 - PR121/P-LSIG	3p; 4p; 4p/f	IEC	F; W (MP)	1SDA069672R1		1
E1...E6 - PR122/P-LI	3p; 4p; 4p/f	IEC	F; W (MP)	1SDA069673R1		1
E1...E6 - PR122/P-LSI	3p; 4p; 4p/f	IEC	F; W (MP)	1SDA069674R1		1
E1...E6 - PR122/P-LSIG	3p; 4p; 4p/f	IEC	F; W (MP)	1SDA069675R1		1
E1...E6 - PR123/P-LSI*	3p; 4p; 4p/f	IEC	F; W (MP)	1SDA069676R1		1
E1...E6 - PR123/P-LSIG*	3p; 4p; 4p/f	IEC	F; W (MP)	1SDA069677R1		1

(3) to be ordered with Part 1/3 and Part 3/3; \* PR120/V included



### 9 - Measuring chain - Rating Plug - Part 3/3 (4)

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1-E3 - In=400A	3p; 4p	IEC	F; W (MP)	1SDA058192R1		1
E1-E3 - In=600A	3p; 4p	UL	F; W (MP)	1SDA058379R1		1
E1-E3 - In=630A	3p; 4p	IEC	F; W (MP)	1SDA058221R1		1
E1-E6IEC E1-E3UL - In=800A	3p; 4p; 4p/f	IEC/UL	F; W (MP)	1SDA058222R1		1
E1-E6IEC E1-E3UL - In=1000A	3p; 4p; 4p/f	IEC/UL	F; W (MP)	1SDA058223R1		1
E1-E3 UL - In=1200A	3p; 4p; 4p/f	IEC/UL	F; W (MP)	1SDA058224R1		1
E1-E6IEC - In=1250A	3p; 4p; 4p/f	IEC	F; W (MP)	1SDA058225R1		1
E1-E6IEC E2-E4UL - In=1600A	3p; 4p; 4p/f	IEC/UL	F; W (MP)	1SDA058226R1		1
E2-E6IEC E3-E4UL - In=2000A	3p; 4p; 4p/f	IEC/UL	F; W (MP)	1SDA058227R1		1
E3-E6IEC E3-E4UL - In=2500A	3p; 4p; 4p/f	IEC/UL	F; W (MP)	1SDA058228R1		1
E3-E6UL - In=3000A	3p; 4p; 4p/f	UL	F; W (MP)	1SDA058229R1		1
E3-E6IEC E3-E6UL - In=3200A	3p; 4p; 4p/f	IEC/UL	F; W (MP)	1SDA058230R1		1
E3-E6UL - In=3600A	3p; 4p; 4p/f	UL	F; W (MP)	1SDA058231R1		1
E4-E6IEC E6UL - In=4000A	3p; 4p; 4p/f	IEC/UL	F; W (MP)	1SDA058232R1		1
E6 - In=5000A	3p; 4p; 4p/f	IEC	F; W (MP)	1SDA058233R1		1
E6 - In=6300A	3p; 4p; 4p/f	IEC	F; W (MP)	1SDA058234R1		1

(4) to be ordered with Part 1/3 and Part 2/3



**10 - Shutters for Fixed Part**

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1B; E1N	3p	IEC	W (FP)	1SDA038261R1		1
E1B; E1N	4p	IEC	W (FP)	1SDA038265R1		1
E2B; E2N; E2S; E2L	3p	IEC	W (FP)	1SDA038261R1		1
E2B; E2N; E2S; E2L	4p	IEC	W (FP)	1SDA038265R1		1
E3N; E3S; E3H; E3V; E3L	3p	IEC	W (FP)	1SDA038262R1		1
E3N; E3S; E3H; E3V; E3L	4p	IEC	W (FP)	1SDA038266R1		1
E4S; E4H; E4V	3p	IEC	W (FP)	1SDA038263R1		1
E4S; E4H; E4V	4p	IEC	W (FP)	1SDA038267R1		1
E4S; E4H	4p/f	IEC	W (FP)	1SDA048732R1		1
E6H; E6V	3p	IEC	W (FP)	1SDA038264R1		1
E6H; E6V	4p	IEC	W (FP)	1SDA038268R1		1
E6H	4p/f	IEC	W (FP)	1SDA050846R1		1



**11 - Earth sliding contact**

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1...E6	3p; 4p; 4p/f	IEC	W (FP)	1SDA045722R1		1



**12 - Spring charged flag set**

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1...E6	3p; 4p; 4p/f	IEC	F; W (MP)	1SDA065703R1	A	1



**13 - Closed door withdrawing mechanism (CD)**

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1...E6	3p; 4p; 4p/f	IEC	W (MP)	1SDA069249R1	A	1



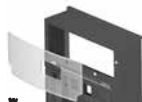
**14 - Coils support**

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1...E6	3p; 4p; 4p/f	IEC/UL	F; W (MP)	1SDA038339R1		1

**15 - Downgrade set for "MS" Version**

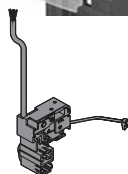
Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1...E6	3p; 4p; 4p/f	IEC	F; W (MP)	1SDA059916R1		1

to be ordered with the MS cover (see spare n. 16)



**16 - Trip Unit transparent protection**

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1...E6 for PR121	3p; 4p; 4p/f	IEC/UL	F; W (MP)	1SDA063226R1		1
E1...E6 for PR122_PR123	3p; 4p; 4p/f	IEC/UL	F; W (MP)	1SDA063385R1		1
E1...E6 MS Cover	3p; 4p; 4p/f	IEC/UL	F; W (MP)	UXAB100380249		1



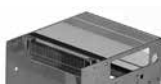
**17 - I1/I4 mechanical flag**

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1...E6	3p; 4p; 4p/f	IEC/UL	F; W (MP)	1SDA063404R1		1



**18 - Aux board for fixed breaker**

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1...E6	3p; 4p; 4p/f	IEC/UL	F	1SDA063401R1		1



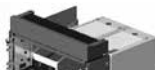
**19 - Sliding contacts board for fixed portion**

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1...E6	3p; 4p; 4p/f	IEC/UL	W (MP)	1SDA063402R1		1

Type A Spare part = only for ABB L3 technicians

# Circuit Breakers

## ACB Spare Parts - New Emax E1, E2, E3, E4, E6



### 20 - Sliding contacts board for moving portion

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1...E6	3p; 4p; 4p/f	IEC/UL	W (MP)	1SDA063403R1		1

### 21 - Gasket for panel's door

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1...E6	3p; 4p; 4p/f	IEC/UL	F; W (MP)	1SDA038096R1		1

### 22 - IP20 screen for sliding contacts on moving part

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1...E6	3p; 4p; 4p/f	IEC/UL	W (MP)	1SDA063165R1		1

### 23 - Winding lever

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1...E6	3p; 4p; 4p/f	IEC/UL	W (MP)	1SDA038092R1		1

### 24 - Lifting plates set

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1...E6	3p; 4p; 4p/f	IEC/UL	F; W (MP)	1SDA038093R1		1

### 25 - Main shield for RONIS key lock

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1...E6	3p; 4p; 4p/f	IEC	F; W (MP)	1SDA063405R1		1

### 26 - PR120/V cables

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1...E6	3p; 4p; 4p/f	IEC/UL	F; W (MP)	1SDA063497R1		1

### 27 - Conversion Kit from fixed version to moving part

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1B; E1N	3p	IEC	F	1SDA064556R1	A	1
E1B; E1N	4p	IEC	F	1SDA064557R1	A	1
E2B; E2N; E2L	3p	IEC	F	1SDA064556R1	A	1
E2B; E2N; E2L	4p	IEC	F	1SDA064557R1	A	1
E2S	3p	IEC	F	1SDA064558R1	A	1
E2S	4p	IEC	F	1SDA064559R1	A	1
E3N; E3S; E3H; E3V; E3L	3p	IEC	F	1SDA064560R1	A	1
E3N; E3S; E3H; E3V; E3L	4p	IEC	F	1SDA064561R1	A	1
E4S; E4H; E4V	3p	IEC	F	1SDA064562R1	A	1
E4S; E4H; E4V	4p	IEC	F	1SDA064563R1	A	1
E4S; E4H	4p/f	IEC	F	1SDA064566R1	A	1
E6H; E6V	3p	IEC	F	1SDA064564R1	A	1
E6H; E6V	4p	IEC	F	1SDA064565R1	A	1
E6H	4p/f	IEC	F	1SDA064567R1	A	1

### 28 - XK3 cable PR122-PR123

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1...E6	3p; 4p; 4p/f	IEC	F; W (MP)	1SDA060529R1	A	1

### 29 - XK2 cable PR122-PR123

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1...E6	3p; 4p; 4p/f	IEC	F; W (MP)	1SDA063534R1	A	1

Type A Spare part = only for ABB L3 technicians



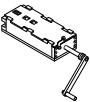
**30 - Standard maintenance kit**

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1...E6	3p; 4p; 4p/f	IEC	F; W (MP)	1SDA070245R1	A	1



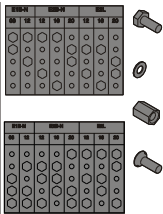
**31 - Lateral guides for fixed part**

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1...E3	3p; 4p	IEC	W (FP)	1SDA076320R1	A	1
E4...E6	3p; 4p	IEC	W (FP)	1SDA082143R1	A	1



**32 - Spring charging device**

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1...E6	3p; 4p	IEC	F; W(MP)	1SDA082230R1	A	1



**33 - Anti-racking in/out locks for fixed part**

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1; E2B; E2N; E2L	3p; 4p	IEC	W(FP)	1SDA059612R1		1
E2S	3p; 4p	IEC	W(FP)	1SDA060013R1		1
E3	3p; 4p	IEC	W(FP)	1SDA059613R1		1
E4	3p; 4p; 4p/f	IEC	W(FP)	1SDA059614R1		1
E6	3p; 4p; 4p/f	IEC	W(FP)	1SDA059615R1		1



**34 - ACB floor crane**

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1, E2, E3, E4, E6	3p; 4p	IEC/UL	F; W (MP)	1SDA103910R1		1

Chains and ropes are not included

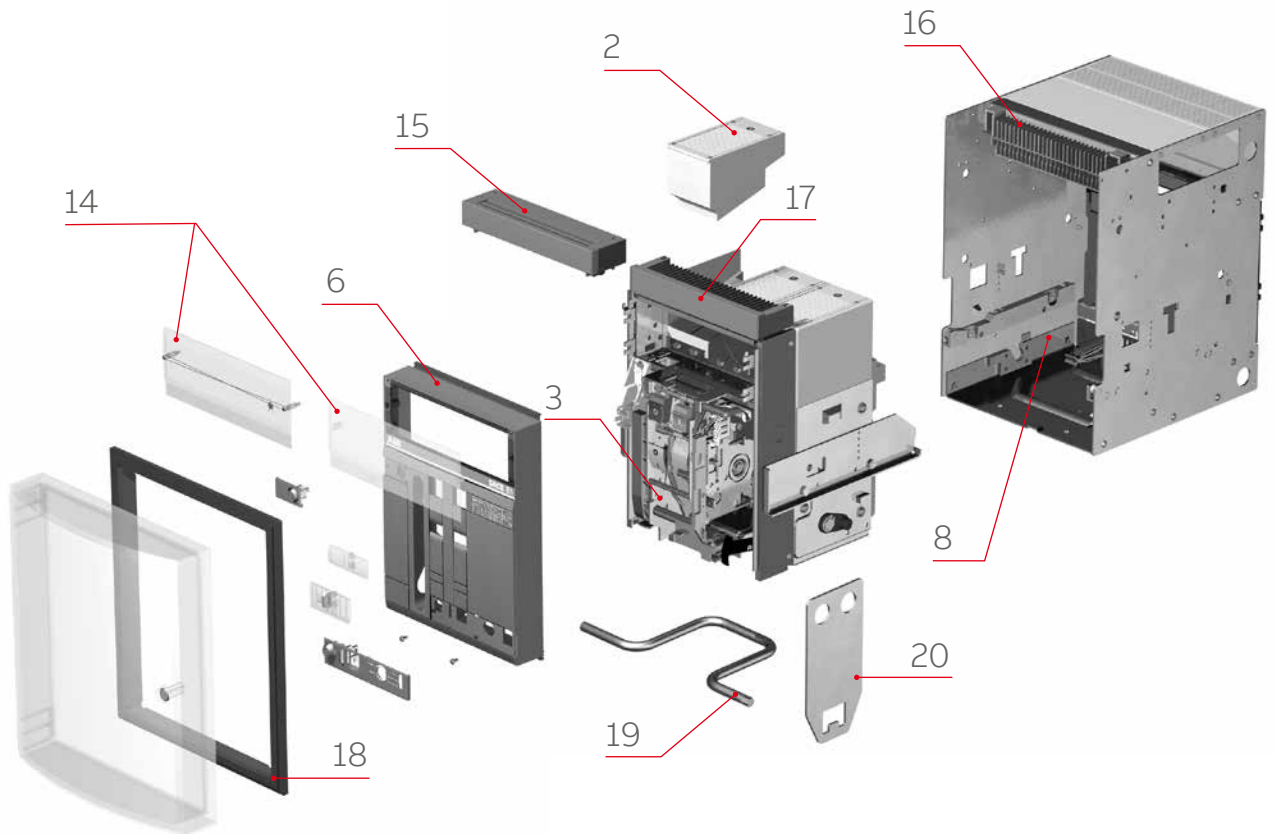
**35 - Not programmed Measuring chain**

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1 - E6	3p;4p; 4p/f	IEC/UL	F; W (MP)	1SDA076149R1	A	1



# Circuit Breakers

## ACB Spare Parts - Emax E1, E2, E3, E4, E6





**1 - Single phase pole**

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1B; E1N	3p, 4p	IEC	F; W (MP)	1SDA045691R1	A	3 or 4
E2B; E2N	3p, 4p	IEC	F; W (MP)	1SDA045692R1	A	3 or 4
E2L	3p, 4p	IEC	F; W (MP)	1SDA045695R1	A	3 or 4
E3N; E3S; E3H	3p, 4p	IEC	F; W (MP)	1SDA045693R1	A	3 or 4
E3L	3p, 4p	IEC	F; W (MP)	1SDA045696R1	A	3 or 4
E4S; E4H half-phase	3p, 4p, 4p/f	IEC	F; W (MP)	1SDA045692R1	A	6 or 7 or 8
E6V; E6H half-phase	3p, 4p	IEC	F; W (MP)	1SDA045694R1	A	6 or 7
E6H half-phase	4p/f	IEC	F; W (MP)	1SDA063386R1	A	8



**2 - Single arching chamber**

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1B; E1N; E2B; E2N	3p, 4p	IEC	F; W (MP)	1SDA045697R1		3 or 4
E2L	3p, 4p	IEC	F; W (MP)	1SDA045699R1		3 or 4
E3N; E3S; E3H	3p, 4p	IEC	F; W (MP)	1SDA045698R1		3 or 4
E3L	3p, 4p	IEC	F; W (MP)	1SDA045700R1		3 or 4
E4S; E4H half-phase	3p, 4p, 4p/f	IEC	F; W (MP)	1SDA045697R1		6 or 7 or 8
E6 half-phase	3p, 4p, 4p/f	IEC	F; W (MP)	1SDA045698R1		6 or 7 or 8



**3 - Operating mechanism (1)**

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1B; E1N; E2B; E2N; E2L	3p	IEC	F; W (MP)	1SDA053988R1	A	1
E1B; E1N; E2B; E2N; E2L	4p	IEC	F; W (MP)	1SDA053989R1	A	1
E3L	3p, 4p	IEC	F; W (MP)	1SDA053988R1	A	1
E3N; E3S; E3H	3p, 4p	IEC	F; W (MP)	1SDA053989R1	A	1
E4S; E4H; E6H; E6V	3p, 4p, 4p/f	IEC	F; W (MP)	1SDA065715R1	A	1
E6X-A	3p, 4p, 4p/f	UL	F; W (MP)	1SDA065714R1	A	1

(1) order even the TU reset device



**4 - Closing spring**

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1B; E1N	3p	IEC	F; W (MP)	1SDA053990R1	A	1
E1B; E1N	4p	IEC	F; W (MP)	1SDA053991R1	A	1
E2B; E2N	3p	IEC	F; W (MP)	1SDA053991R1	A	1
E2B; E2N	4p	IEC	F; W (MP)	1SDA053992R1	A	1
E2L	3p, 4p	IEC	F; W (MP)	1SDA053990R1	A	1
E3N; E3S; E3H	3p	IEC	F; W (MP)	1SDA053993R1	A	1
E3N; E3S; E3H	4p	IEC	F; W (MP)	1SDA053994R1	A	1
E3L	3p, 4p	IEC	F; W (MP)	1SDA053991R1	A	1
E4S; E4H	3p, 4p/f	IEC	F; W (MP)	1SDA053995R1	A	1
E4S; E4H	4p	IEC	F; W (MP)	1SDA053996R1	A	1
E6H; E6V	3p, 4p	IEC	F; W (MP)	1SDA053995R1	A	1
E6H; E6V	4p/f	IEC	F; W (MP)	1SDA053996R1	A	1



**5 - Jaw contacts set**

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1B; E1N (8 pcs)	3p, 4p	IEC/UL	W (FP)	1SDA047823R1		1
E2B; E2N; E2L (8 pcs)	3p, 4p	IEC/UL	W (FP)	1SDA047824R1		1
E3N; E3S; E3H; E3L	3p, 4p	IEC/UL	W (FP)	1SDA047825R1		1
E4S; E4H	3p, 4p, 4p/f	IEC/UL	W (FP)	1SDA047824R1		2
E6H; E6V	3p, 4p, 4p/f	IEC/UL	W (FP)	1SDA047825R1		2

Type A Spare part = only for ABB L3 technicians

# Circuit Breakers

## ACB Spare Parts - Emax E1, E2, E3, E4, E6



### 6 - Main shield and lateral covers (2)

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1B; E1N	3p	IEC	F; W (MP)	1SDA047828R1		1
E1B; E1N	4p	IEC	F; W (MP)	1SDA047829R1		1
E2B; E2N; E2L	3p	IEC	F; W (MP)	1SDA047828R1		1
E2B; E2N; E2L	4p	IEC	F; W (MP)	1SDA047829R1		1
E3N; E3S; E3H; E3L	3p	IEC	F; W (MP)	1SDA047830R1		1
E3N; E3S; E3H; E3L	4p	IEC	F; W (MP)	1SDA047831R1		1
E4S; E4H	3p	IEC	F; W (MP)	1SDA047832R1		1
E4S; E4H	4p	IEC	F; W (MP)	1SDA047833R1		1
E4S; E4H	4p/f	IEC	F; W (MP)	1SDA082347R1		1
E6H; E6V	3p	IEC	F; W (MP)	1SDA047834R1		1
E6H; E6V	4p	IEC	F; W (MP)	1SDA047835R1		1
E6H	4p/f	IEC	F; W (MP)	1SDA082348R1		1
E1...E6 - cover for Ronis	3p; 4p; 4p/f	IEC	F; W (MP)	1SDA063405R1		1

(2) the Label is not included, use the same one



### 7 - Shutters for Fixed Part

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1B; E1N	3p	IEC	W (FP)	1SDA038261R1		1
E1B; E1N	4p	IEC	W (FP)	1SDA038265R1		1
E2B; E2N; E2L	3p	IEC	W (FP)	1SDA038261R1		1
E2B; E2N; E2L	4p	IEC	W (FP)	1SDA038265R1		1
E3N; E3S; E3H; E3L	3p	IEC	W (FP)	1SDA038262R1		1
E3N; E3S; E3H; E3L	4p	IEC	W (FP)	1SDA038266R1		1
E4S; E4H	3p	IEC	W (FP)	1SDA038263R1		1
E4S; E4H	4p	IEC	W (FP)	1SDA038267R1		1
E4S; E4H	4p/f	IEC	W (FP)	1SDA048732R1		1
E6H; E6V	3p	IEC	W (FP)	1SDA038264R1		1
E6H; E6V	4p	IEC	W (FP)	1SDA038268R1		1
E6H	4p/f	IEC	W (FP)	1SDA050846R1		1



### 8 - Earth sliding contact

Size	IEC/UL	Version	Code	Type spare	Min quantity
E1...E6	IEC	W (FP)	1SDA045722R1		1

### 9 - Spring charged flag set

Size	IEC/UL	Version	Code	Type spare	Min quantity
E1...E6	IEC	F; W (MP)	1SDA065703R1	A	1

### 10 - PR120/B \*

Size	IEC/UL	Version	Code	Type spare	Min quantity
E1...E6	IEC	F; W (MP)	1SDA055269R1		1

\* limited availability - check availability before ordering

### 11 - Closed door withdrawing mechanism

Size	IEC/UL	Version	Code	Type spare	Min quantity
E1...E6	IEC	W (MP)	1SDA069248R1	A	1

### 12 - Coils support

Size	IEC/UL	Version	Code	Type spare	Min quantity
E1...E6	IEC	F; W (MP)	1SDA038339R1		1



Type A Spare part = only for ABB L3 technicians

**13 - Downgrade set for "MS" version**

Size	IEC/UL	Version	Code	Type spare	Min quantity
E1...E6	IEC	F; W (MP)	1SDA059916R1		1

**14 - Transparent protection for overcurrent release**

Size	IEC/UL	Version	Code	Type spare	Min quantity
E1...E6	IEC/UL	F; W (MP)	1SDA045724R1		1

**15 - Aux board for fixed breaker**

Size	IEC/UL	Version	Code	Type spare	Min quantity
E1...E6	IEC/UL	F	1SDA038342R1		1

**16 - Sliding contacts board for fixed portion**

Size	IEC/UL	Version	Code	Type spare	Min quantity
E1...E6	IEC/UL	W (FP)	1SDA038362R1		1

**17 - Sliding contacts board for moving portion**

Size	IEC/UL	Version	Code	Type spare	Min quantity
E1...E6	IEC/UL	W (MP)	1SDA038328R1		1

**18 - Gasket for panel's door**

Size	IEC/UL	Version	Code	Type spare	Min quantity
E1...E6	IEC/UL	F; W (MP)	1SDA038096R1		1

**19 - Winding lever**

Size	IEC/UL	Version	Code	Type spare	Min quantity
E1...E6	IEC/UL	W (MP)	1SDA038092R1		1

**20 - Lifting plates set**

Size	IEC/UL	Version	Code	Type spare	Min quantity
E1...E6	IEC/UL	F; W (MP)	1SDA038093R1		1

**21 - Main shield for RONIS key lock\***

Size	IEC/UL	Version	Code	Type spare	Min quantity
E1...E6	IEC/UL	F; W (MP)	1SDA050701R1		1

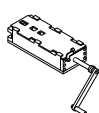
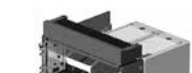
\* Key lock is not included

**22 - Standard maintenance kit**

Size	IEC/UL	Version	Code	Type spare	Min quantity
E1...E6		F; W (MP)	1SDA070245R1	A	1

**23 - Spring charging device**

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1...E6	3p; 4p	IEC	F; W(MP)	1SDA082230R1	A	1



# Circuit Breakers

## ACB Spare Parts - Emax E1, E2, E3, E4, E6

### 24 - Lock in open position

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1...E6 - for 1 circuit-breaker (different keys)	3p/4p	IEC	F; W(MP)	1SDA038350R1		1
E1...E6 - for groups of circuit-breakers (same keys N.3004222)	3p/4p	IEC	F; W(MP)	1SDA038346R1		

### 25 - Circuit-breaker lock in racked-in/test isolated/racked-out position

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1...E6 - for 1 circuit-breaker (different keys)	3p/4p	IEC	F; W(MP)	1SDA038356R1		1
E1...E6 - for groups of circuit-breakers (same keys N.3004222)	3p/4p	IEC	F; W(MP)	1SDA038352R1		

### 26 - Tripped indication

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1...E6 - Electrical tripped indication I1/4*	3p/4p	IEC	F; W(MP)	1SDA038338R1		1
E1...E6 - mechanical indication	3p/4p	IEC	F; W(MP)	1SDA038337R1		

\* it is mandatory to have also the mechanical tripped indication

### 27 - TT1 - TRIP TEST UNIT for PR111

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1...E6	3p/4p	IEC	F; W(MP)	1SDA037121R1		1



### 28 - Current sensors

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1; E2 - In=800A	3p	IEC	F; W(MP)	1SDA038016R1		1
E1; E2 - In=1250A	3p	IEC	F; W(MP)	1SDA038017R1		1
E2 - In=1600A	3p	IEC	F; W(MP)	1SDA038018R1		1
E2 - In=2000A	3p	IEC	F; W(MP)	1SDA038019R1		1
E3 - In=2000A	3p	IEC	F; W(MP)	1SDA038029R1		1
E3 - In=2500A	3p	IEC	F; W(MP)	1SDA038030R1		1
E3 - In=3200A	3p	IEC	F; W(MP)	1SDA038031R1		1
E4 - In=3200A	3p	IEC	F; W(MP)	1SDA038039R1		1
E4 - In=4000A	3p	IEC	F; W(MP)	1SDA038040R1		1
E6 - In=5000A	3p	IEC	F; W(MP)	1SDA038046R1		1
E6 - In=6300A	3p	IEC	F; W(MP)	1SDA038047R1		1
E1; E2 - In=800A	4p	IEC	F; W(MP)	1SDA038022R1		1
E1; E2 - In=1250A	4p	IEC	F; W(MP)	1SDA038023R1		1
E2 - In=1600A	4p	IEC	F; W(MP)	1SDA038024R1		1
E2 - In=2000A	4p	IEC	F; W(MP)	1SDA038025R1		1
E3 - In=2000A	4p	IEC	F; W(MP)	1SDA038035R1		1
E3 - In=2500A	4p	IEC	F; W(MP)	1SDA038036R1		1
E3 - In=3200A	4p	IEC	F; W(MP)	1SDA038037R1		1
E4 - In=3200A	4p	IEC	F; W(MP)	1SDA038042R1		1
E4 - In=4000A	4p	IEC	F; W(MP)	1SDA038043R1		1
E6 - In=5000A	4p	IEC	F; W(MP)	1SDA038050R1		1
E6 - In=6300A	4p	IEC	F; W(MP)	1SDA038051R1		1





**29 - PR112/P LSIG**

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1...E6	3p/4p	IEC	F; W(MP)	1SDA038009R1		1
E1...E6 - Modbus	3p/4p	IEC	F; W(MP)	1SDA052652R1		1

Limited availability - check availability before ordering

**30 - ANTI-RACKING IN/OUT LOCKS for Fixed Part**

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1; E2	3p/4p	IEC	W (FP)	1SDA050677R1		1
E3	3p/4p	IEC	W (FP)	1SDA050678R1		1
E4	3p/4p/ 4p/f	IEC	W (FP)	1SDA050679R1		1
E6	3p/4p/ 4p/f	IEC	W (FP)	1SDA050680R1		1

**31 - ACB floor crane**

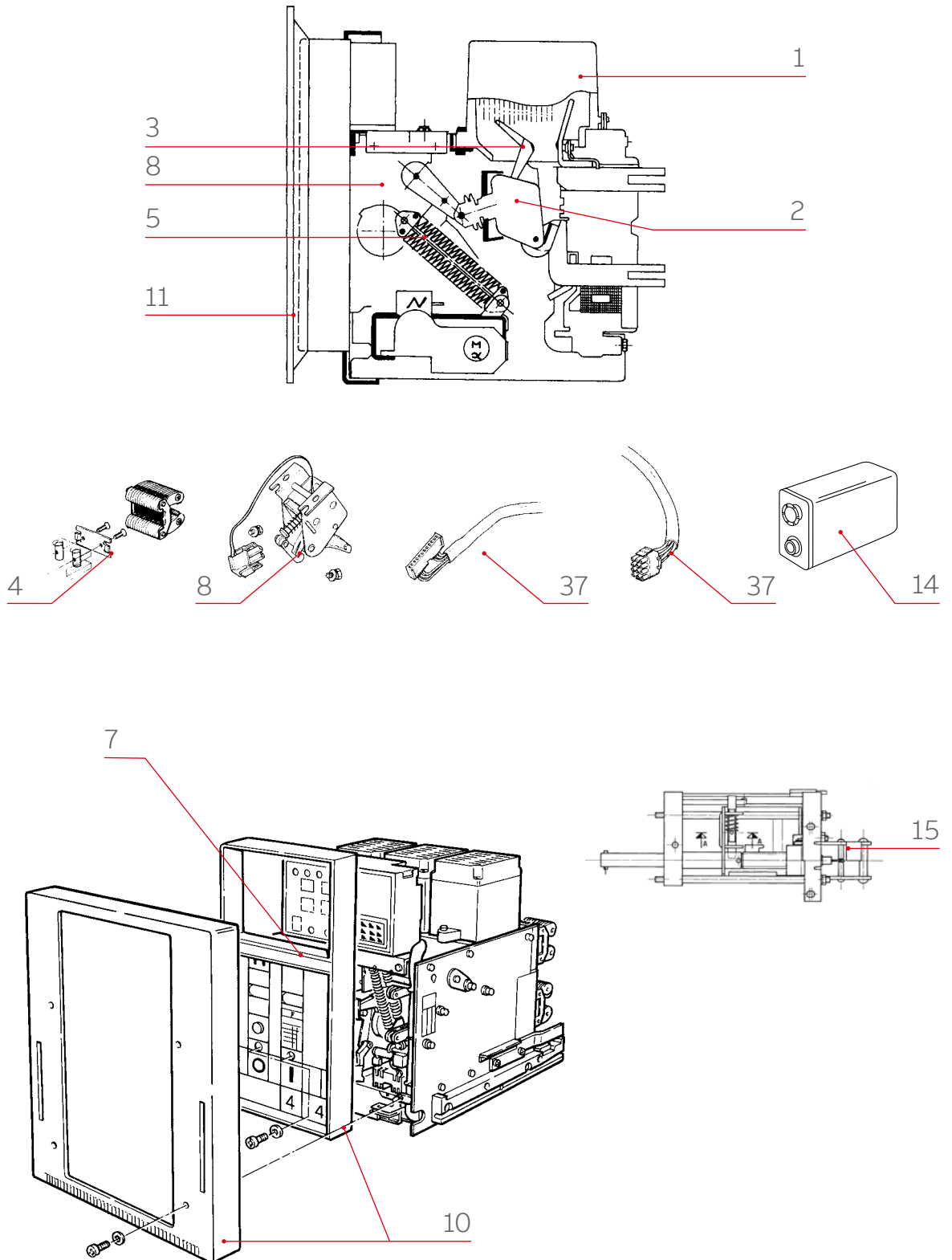
Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1, E2, E3, E4, E6	3p; 4p	IEC/UL	F; W (MP)	1SDA103910R1		1

Chains and ropes are not included



# Circuit Breakers

## ACB Spare Parts - Megamax F1, F2, F3, F4, F5, F6





**1 - Arc chambers set**

Size	Poles	Version	Code	Type spare	Min quantity
F1B 1250A; F1B 1600A; F1N 1250A; F1N 1600A	3p	F; W (MP)	UXAB269199001		1
F1B 1250A; F1B 1600A; F1N 1250A; F1N 1600A	4p	F; W (MP)	UXAB269199002		1
F1B 2000A, F1N 2000A; F1S	3p	F; W (MP)	UXAB269199003		1
F1B 2000A, F1N 2000A; F1S	4p	F; W (MP)	UXAB269199004		1
F2S	3p	F; W (MP)	UXAB269499051		1
F2S	4p	F; W (MP)	UXAB269499052		1
F1H; F1L; F1V	3p	F; W (MP)	UXAB249399101		1
F1H; F1L; F1V	4p	F; W (MP)	UXAB249399102		1
F2H; F2L; F2V	3p	F; W (MP)	UXAB249499051		1
F2H; F2L; F2V	4p	F; W (MP)	UXAB249499052		1
F3	3p	F; W (MP)	UXAB269599065		1
F3	4p	F; W (MP)	UXAB269599066		1
F4	3p	F; W (MP)	UXAB269599065		1
F4	4p	F; W (MP)	UXAB269599066		1
F5	3p	F; W (MP)	UXAB269799011		1
F5	4p	F; W (MP)	UXAB269799012		1
F6	3p	F; W (MP)	UXAB269799011		1



**2 - Moving contact assembly Kit with arcing**

Size	Poles	Version	Code	Type spare	Min quantity
F1B 1250A; F1B 1600A; F1N 1250A; F1N 1600A	3p	F; W (MP)	UXAB269199006	A	1
F1B 1250A; F1B 1600A; F1N 1250A; F1N 1600A	4p	F; W (MP)	UXAB269199007	A	1
F1B 2000A, F1N 2000A; F1S	3p	F; W (MP)	UXAB269199008	A	1
F1B 2000A, F1N 2000A; F1S	4p	F; W (MP)	UXAB269199009	A	1
F2S	3p	F; W (MP)	UXAB269499053	A	1
F2S	4p	F; W (MP)	UXAB269499054	A	1
F1H; F1V	3p	F; W (MP)	UXAB249399103	A	1
F1H; F1V	4p	F; W (MP)	UXAB249399104	A	1
F1L	3p	F; W (MP)	UXAB249399105	A	1
F1L	4p	F; W (MP)	UXAB249399106	A	1
F2H; F2V	3p	F; W (MP)	UXAB249499053	A	1
F2H; F2V	4p	F; W (MP)	UXAB249499054	A	1
F2L	3p	F; W (MP)	UXAB249499055	A	1
F2L	4p	F; W (MP)	UXAB249499056	A	1
F3 2000A; F3 2500A	3p	F; W (MP)	UXAB269599111	A	1
F3 2000A; F3 2500A	4p	F; W (MP)	UXAB269599112	A	1
F3 3000A	3p	F; W (MP)	UXAB269599113	A	1
F3 3000A	4p	F; W (MP)	UXAB269599114	A	1
F4 3200A	3p	F; W (MP)	UXAB269599111	A	1
F4 3200A	4p	F; W (MP)	UXAB269599112	A	1
F4 3600A	3p	F; W (MP)	UXAB269599115	A	1
F4 3600A	4p	F; W (MP)	UXAB269599116	A	1
F5S half-phase	3p, 4p	F; W (MP)	UXAB239399002	A	6 or 7
F5H half-phase	3p, 4p	F; W (MP)	UXAB239399003	A	6 or 7
F6S half-phase	3p	F; W (MP)	UXAB239399002	A	6
F6H half-phase	3p	F; W (MP)	UXAB239399003	A	6



Type A Spare part = only for ABB L3 technicians  
 Limited availability - check availability before ordering

# Circuit Breakers

## ACB Spare Parts - Megamax F1, F2, F3, F4, F5, F6



### 3 - Loose moving arc contacts set

Size	Poles	Version	Code	Type spare	Min quantity
F1B 1250A; F1B 1600A; F1N 1250A; F1N 1600A	3p	F; W (MP)	UXAB269199010		1
F1B 1250A; F1B 1600A; F1N 1250A; F1N 1600A	4p	F; W (MP)	UXAB269199011		1
F1B 2000A, F1N 2000A; F1S	3p	F; W (MP)	UXAB269199012		1
F1B 2000A, F1N 2000A; F1S	4p	F; W (MP)	UXAB269199013		1
F2S	3p	F; W (MP)	UXAB269499055		1
F2S	4p	F; W (MP)	UXAB269499056		1
F3	3p	F; W (MP)	UXAB269599067		1
F3	4p	F; W (MP)	UXAB269599068		1
F4	3p	F; W (MP)	UXAB269599067		1
F4	4p	F; W (MP)	UXAB269599068		1
F5	3p	F; W (MP)	UXAB269799013		1
F5	4p	F; W (MP)	UXAB269799014		1
F6	3p	F; W (MP)	UXAB269799013		1



### 4 - Jaw contacts set

Size	Poles	Version	Code	Type spare	Min quantity
F1B 1250A; F1N 1250A	3p	W	UXAB269199030		1
F1B 1250A; F1N 1250A	4p	W	UXAB269199031		1
F1S 1250A	3p	W	UXAB269199040		1
F1S 1250A	4p	W	UXAB269199041		1
F1B 1600A; F1N 1600A; F1S 1600A	3p	W	UXAB269199032		1
F1B 1600A; F1N 1600A; F1S 1600A	4p	W	UXAB269199033		1
F1B 2000A; F1N 2000A; F1S 2000A	3p	W	UXAB269199034		1
F1B 2000A; F1N 2000A; F1S 2000A	4p	W	UXAB269199035		1
F2S	3p	W	UXAB269499063		1
F2S	4p	W	UXAB269499064		1
F1H 1250A; F1L 1250A; F1V 1250A	3p	W	UXAB249399119		1
F1H 1250A; F1L 1250A; F1V 1250A	4p	W	UXAB249399120		1
F1H 1600A; F1L 1600A; F1V 1600A	3p	W	UXAB249399121		1
F1H 1600A; F1L 1600A; F1V 1600A	4p	W	UXAB249399122		1
F2H 2000A; F2L 2000A; F2V 2000A	3p	W	UXAB249499065		1
F2H 2000A; F2L 2000A; F2V 2000A	4p	W	UXAB249499066		1
F2H 2500A; F2L 2500A; F2V 2500A	3p	W	UXAB249499067		1
F2H 2500A; F2L 2500A; F2V 2500A	4p	W	UXAB249499068		1
F3	3p	W (MP)	UXAB269599087		1
F3 N=50%	4p	W (MP)	UXAB269599088		1
F4	3p	W (MP)	UXAB269599089		1
F4 N=50%	4p	W (MP)	UXAB269599090		1
F5 3200A	3p	W (MP)	UXAB269799018		1
F5 3200A N=50%	4p	W (MP)	UXAB269799019		1
F5 4000; F5 5000A	3p	W (MP)	UXAB269799020		1
F5 4000A; F5 5000A - N=50%	4p	W (MP)	UXAB269799021		1
F6	3p	W (MP)	UXAB269799022		1





**5 - Closing spring set**

Size	Poles	Version	Code	Type spare	Min quantity
LG 1250A; LG 1600A; LG 2000	3p	F; W (MP)	UXAB249299066	A	1
F1B 1250A; F1B 1600A; F1N 1250A; F1N 1600A; 3p F1S 1250A; F1S 1600A; LG 1250A; LG 1600A	3p	F; W (MP)	UXAB269399061	A	1
F1B 1250A; F1B 1600A; F1N 1250A; F1N 1600A; 4p F1S 1250A; F1S 1600A	4p	F; W (MP)	UXAB249299065	A	1
F1B 2000A; F1N 2000A; F1S 2000A	3p	F; W (MP)	UXAB239299066	A	1
F1B 2000A; F1N 2000A; F1S 2000A	4p	F; W (MP)	UXAB239299067	A	1
F2S	3p	F; W (MP)	UXAB239299066	A	1
LG 2000	4p	F; W (MP)	UXAB239299066	A	1
LG 2500	3p	F; W (MP)	UXAB239299066	A	1
LG 2500	4p	F; W (MP)	UXAB239299067	A	1
F2S	4p	F; W (MP)	UXAB239299067	A	1
F1H; F1L; F1V	3p	F; W (MP)	UXAB249299065	A	1
F1H; F1L; F1V	4p	F; W (MP)	UXAB239299066	A	1
F2L	3p	F; W (MP)	UXAB249299066	A	1
F2L	4p	F; W (MP)	UXAB249299067	A	1
F2H; F2V	3p	F; W (MP)	UXAB249299067	A	1
F2H; F2V	4p	F; W (MP)	UXAB239299067	A	1
F3	3p, 4p	F; W (MP)	UXAB239399012	A	1
F4	3p, 4p	F; W (MP)	UXAB239399012	A	1
F5	3p	F; W (MP)	UXAB269099001	A	1
F5	4p	F; W (MP)	UXAB269099002	A	1
F6	3p	F; W (MP)	UXAB269099002	A	1



**6 - Operating mechanism**

Size	Poles	Version	Code	Type spare	Min quantity
F1	3p	F; W (MP)	UXAB269399103	A	1
F1	4p	F; W (MP)	UXAB269399104	A	1
F2	3p	F; W (MP)	UXAB269499105	A	1
F2	4p	F; W (MP)	UXAB269499106	A	1
F3	3p	F; W (MP)	UXAB269599125	A	1
F3	4p	F; W (MP)	UXAB269599126	A	1
F4	3p	F; W (MP)	UXAB269699005	A	1
F4	4p	F; W (MP)	UXAB269699006	A	1
F5	3p	F; W (MP)	UXAB269799035	A	1
F5	4p	F; W (MP)	UXAB269799036	A	1
F6	3p	F; W (MP)	UXAB279199005	A	1



**7 - Operating lever**

Size	Poles	Version	Code	Type spare	Min quantity
F1...F2	3p, 4p	F; W (MP)	UXAB269199038		1
F3...F6	3p, 4p	F; W (MP)	UXAB269199129		1



**8 - Opening solenoid for overcurrent release**

Size	Poles	Version	Code	Type spare	Min quantity
F1B; F1N, F1S; FS2 - PR1/P	3p, 4p	F; W (MP)	UXAB269399081		1

**9 - Lubricating for generic use (2 Kg, type MU-EP1)**

Size	Poles	Version	Code	Type spare	Min quantity
F1...F6	3p, 4p	F; W (MP)	UXAB259299016		1

Type A Spare part = only for ABB L3 technicians  
 Limited availability - check availability before ordering



# Circuit Breakers

## ACB Spare Parts - Megamax F1, F2, F3, F4, F5, F6



### 10 - Main shield, frontal plate and pushbuttons set

Size	Poles	Version	Code	Type spare	Min quantity
F1B; F1N; F1S; F1H; F1L; F1V	3p	F; W (MP)	UXAB269199036		1
F1B; F1N; F1S; F1H; F1L; F1V	4p	F; W (MP)	UXAB269199037		1
F2S; F2H; F2L; F2V	3p	F; W (MP)	UXAB269499065		1
F2S; F2H; F2L; F2V	4p	F; W (MP)	UXAB269499066		1
F3	3p	F; W (MP)	UXAB269599117		1
F3	4p	F; W (MP)	UXAB269599118		1
F4	3p	F; W (MP)	UXAB269599119		1
F4	4p	F; W (MP)	UXAB269599120		1
F5	3p	F; W (MP)	UXAB269599121		1
F5	4p	F; W (MP)	UXAB269599122		1
F6	3p	F; W (MP)	UXAB269599123		1



### 11 - Gasket for panel's door

Size	Poles	Version	Code	Type spare	Min quantity
F1...F2		F; W (MP)	UXAB269399071		1
F3...F6	3p, 4p	F; W (MP)	UXAB269599011		1



### 12 - Tool case complete with spanners and template

Size	Poles	Version	Code	Type spare	Min quantity
F1...F2; G2	3p, 4p	F; W	UXAB269397001	A	1
F3...F6; G3...G6	3p, 4p	F; W (MP)	UXAB239399201	A	1



### 13 - Draw in/out lever for Open Door mechanism

Size	Poles	Version	Code	Type spare	Min quantity
F1B; F1N; F1S; G2 ≤ 2000A	3p	F; W (MP)	UXAB239213001		1
F1B; F1N; F1S; G2 ≤ 2000A	4p	F; W (MP)	UXAB239213003		1
F2; G2 ≥ 2500A	3p	F; W (MP)	UXAB239213021		1
F2; G2 ≥ 2500A	4p	F; W (MP)	UXAB239213023		1
F3; G3	3p	W (MP)	UXAB239313001		1
F3; G3	4p	W (MP)	UXAB239313003		1
F4; G4	3p	W (MP)	UXAB239413001		1
F4; G4	4p	W (MP)	UXAB239413003		1
F5; G5	3p	W (MP)	UXAB239513001		1
F5; G5	4p	W (MP)	UXAB239513003		1
F6; G6	3p	W (MP)	UXAB239613001		1



### 14 - 9V Ni-Cd battery for PR1/P

Size	Poles	Version	Code	Type spare	Min quantity
F1...F6	3p, 4p	F; W (MP)	UXAB269399056		1



**15 - Close door withdrawing mechanism (1)**

Size	Poles	Version	Code	Type spare	Min quantity
F1...F2	3p, 4p	W (MP)	UXAB269399106	A	1
F3	3p	W (MP)	UXAB269399107	A	1
F3	4p	W (MP)	UXAB269399108	A	1
F4	3p	W (MP)	UXAB269399109	A	1
F4	4p	W (MP)	UXAB269399110	A	1
F5	3p	W (MP)	UXAB269399111	A	1
F5	4p	W (MP)	UXAB269399112	A	1
F6	3p	W (MP)	UXAB269399113	A	1

Racking in-out lever not included. Order it separately



**16 - Racking in-out lever for Close Door mechanism**

Size	Poles	Version	Code	Type spare	Min quantity
F1...F6	3p, 4p	W (MP)	UXAB269314001		1



**17 - Loose lock for Close Door withdrawing mechanism**

Size	Poles	Version	Code	Type spare	Min quantity
F1...F2	3p, 4p	W (MP)	UXAB269399105	A	1



**18 - Open door → Close Door kit (2)**

Size	Poles	Version	Code	Type spare	Min quantity
F1B; F1N; F1S; F2S	3p, 4p	W (MP)	UXAB269399114	A	1
F1H; F1L; F1V; F2H; F2L; F2V	3p, 4p	W (MP)	UXAB269399115	A	1
F3 3p	3p	W (MP)	UXAB269399116	A	1
F3 4p	4p	W (MP)	UXAB269399117	A	1
F4 3p	3p	W (MP)	UXAB269399118	A	1
F4 4p	4p	W (MP)	UXAB269399119	A	1
F5 3p	3p	W (MP)	UXAB269399120	A	1
F5 4p	4p	W (MP)	UXAB269399121	A	1
F6 3p	3p	W (MP)	UXAB269399122	A	1

Racking in-out lever not included. Order it separately



**19 - Standard maintenance kit**

Size	Poles	Version	Code	Type spare	Min quantity
F1...F2	3p, 4p	F; W (MP)	UXAB269199300	A	1
F3...F5	3p/4p	F; W (MP)	UXAB269599300	A	1



**20 - Upgrade maintenance kit**

Size	Poles	Version	Code	Type spare	Min quantity
F1...F2	3p, 4p	F; W (MP)	UXAB269199301	A	1
F3...F5	3p/4p	F; W (MP)	UXAB269599301	A	1

Type A Spare part = only for ABB L3 technicians  
 Limited availability - check availability before ordering

# Circuit Breakers

## ACB Spare Parts - Megamax F1, F2, F3, F4, F5, F6



### 21 - UVR

Size	Poles	Version	Code	Type spare	Min quantity
F1...F6 310V DC	3p/4p	F; W (MP)	UXAB239290925		1
F1...F6; G; LG - 24V DC	3p/4p	F; W (MP)	UXAB239290902		1
F1...F6; G; LG - 48V DC	3p/4p	F; W (MP)	UXAB239290904		1
F1...F6; G; LG - 110/125V DC	3p/4p	F; W (MP)	UXAB239290909		1
F1...F6; G; LG - 220/250V DC	3p/4p	F; W (MP)	UXAB239290918		1
F1...F6; G; LG - 110V-50 127V-60	3p/4p	F; W (MP)	UXAB239290939		1
F1...F6; G; LG - 220V 50HZ	3p/4p	F; W (MP)	UXAB239290948		1
F1...F6; G; LG - 240V 50HZ	3p/4p	F; W (MP)	UXAB239290951		1
F1...F6; G; LG - 280/400V50Hz 440V60Hz	3p/4p	F; W (MP)	UXAB239290953		1
F1...F6; G; LG - 208/200V 60HZ	3p/4p	F; W (MP)	UXAB239290978		1

### 22 - UVD - Solid State time Delay

Size	Poles	Version	Code	Type spare	Min quantity
F1...F6 - 0,5s 110V AC	3p/4p	F; W (MP)	UXAB269335300		1
F1...F6 - 1s 110V AC	3p/4p	F; W (MP)	UXAB269335400		1
F1...F6 - 2s 110V AC	3p/4p	F; W (MP)	UXAB269335500		1
F1...F6 - 0,5s 220V AC	3p/4p	F; W (MP)	UXAB269335600		1
F1...F6 - 1s 220V AC	3p/4p	F; W (MP)	UXAB269335700		1
F1...F6 - 2s 220V AC	3p/4p	F; W (MP)	UXAB269335800		1



### 23 - Trip Unit

Size	Poles	Version	Code	Type spare	Min quantity
F1; F2 - PR1/P LSI G without Current transformers	3p/4p	F; W (MP)	UXAB269301010		1
F1; F2 - PR1/P LSI without Current transformers	3p/4p	F; W (MP)	UXAB269301020		1
F1; F2 - PR1/P LI without current transformers	3p/4p	F; W (MP)	UXAB269301030		1
F3; F4; F5; F6 - PR1/P LSI G without Current transformers	3p/4p	F; W (MP)	UXAB269501010		1

Limited availability - check availability before ordering



### 24 - SOR

Size	Poles	Version	Code	Type spare	Min quantity
F1; F2 - 24Vdc	3p/4p	F; W (MP)	UXAB269350902		1
F1; F2 - 30Vdc 24V ac 50/60Hz	3p/4p	F; W (MP)	UXAB269350903		1
F1; F2 - 48Vdc 48Vac 50/60Hz	3p/4p	F; W (MP)	UXAB269350904		1
F1; F2 - 60Vdc	3p/4p	F; W (MP)	UXAB269350905		1
F1; F2 - 100/127V= 50/60Hz	3p/4p	F; W (MP)	UXAB269350909		1
F1; F2 - 200/250Vdc 200/255Vac	3p/4p	F; W (MP)	UXAB269350948		1
F1; F2 - 380/500V 50/60Hz	3p/4p	F; W (MP)	UXAB269350953		1
F3; F4; F5; F6 - 24Vdc	3p/4p	F; W (MP)	UXAB269550902		1
F3; F4; F5; F6 - 48Vac 50/60 Hz	3p/4p	F; W (MP)	UXAB269550904		1
F3; F4; F5; F6 - 100/127Vdc/ac 50/60 Hz	3p/4p	F; W (MP)	UXAB269550909		1
F3;F4; F5; F6 - 200/250Vdc 200/225ac 50/60 Hz	3p/4p	F; W (MP)	UXAB269550948		1

Type A Spare part = only for ABB L3 technicians  
Limited availability - check availability before ordering

**25 - SOR2**

Size	Poles	Version	Code	Type spare	Min quantity
F1; F2 - 48Vdc	3p/4p	F; W (MP)	UXAB269340904		1
F1; F2 -110Vdc	3p/4p	F; W (MP)	UXAB269340909		1
F1; F2 -220Vdc	3p/4p	F; W (MP)	UXAB269340918		1
F1; F2 -110V 50Hz	3p/4p	F; W (MP)	UXAB269340939		1
F1; F2 -220V 50Hz	3p/4p	F; W (MP)	UXAB269340948		1
F3; F4; F5; F6 - 110Vdc	3p/4p	F; W (MP)	UXAB269540909		1

**26 - SCR**

Size	Poles	Version	Code	Type spare	Min quantity
F1; F2; F3; F4; F5; F6 - 24Vdc	3p/4p	F; W (MP)	UXAB269330902		1
F1; F2; F3; F4; F5; F6 - 48Vdc	3p/4p	F; W (MP)	UXAB269330904		1
F1; F2; F3; F4; F5; F6 - 110/125Vdc	3p/4p	F; W (MP)	UXAB269330909		1
F1; F2; F3; F4; F5; F6 - 220/240Vdc	3p/4p	F; W (MP)	UXAB269330918		1
F1; F2; F3; F4; F5; F6 - 100Vac 50Hz 110/115Vac 60Hz	3p/4p	F; W (MP)	UXAB269330937		1
F1; F2; F3; F4; F5; F6 - 110Vac 50Hz - 127Vac 60Hz	3p/4p	F; W (MP)	UXAB269330939		1
F1; F2; F3; F4; F5; F6 - 220Vac 50Hz	3p/4p	F; W (MP)	UXAB269330948		1
F1; F2; F3; F4; F5; F6 - 230/240Vac 50Hz	3p/4p	F; W (MP)	UXAB269330951		1
F1; F2; F3; F4; F5; F6 - 380/400V ac 50Hz - 440VAC 60Hz	3p/4p	F; W (MP)	UXAB269330953		1
F1; F2; F3; F4; F5; F6 - 208/220Vac 60Hz	3p/4p	F; W (MP)	UXAB269330978		1

**27 - Support for shunt opening and undervoltage release**

Size	Poles	Version	Code	Type spare	Min quantity
F1; F2	3p/4p	F; W (MP)	UXAB239235020		1

**28 - Motor Operator**

Size	Poles	Version	Code	Type spare	Min quantity
F1; F2 - 24/30Vdc	3p/4p	F; W (MP)	UXAB269320902		1
F1; F2 - 48/60Vdc	3p/4p	F; W (MP)	UXAB269320904		1
F1; F2 - 100/130Vac	3p/4p	F; W (MP)	UXAB269320939		1
F1; F2 - 200/250Vac	3p/4p	F; W (MP)	UXAB269320948		1
F3; F4; F5; F6 - 48/60Vdc	3p/4p	F; W (MP)	UXAB269520904		1
F3; F4; F5; F6 - 110/130Vac/dc	3p/4p	F; W (MP)	UXAB269520939		1
F3; F4; F5; F6 - 200/250Vac/dc	3p/4p	F; W (MP)	UXAB269520948		1

**29 - Interlock**

Size	Poles	Version	Code	Type spare	Min quantity
F1; F2 - A type between 2 circuit-breakers withdrawable version	3p/4p	W (FP)	UXAB269370001		1
F1 - B Type between 2 circuit-breakers withdrawable version	3p/4p	W (MP)	UXAB269372002		1

**30 - Key Interlock open position**

Size	Poles	Version	Code	Type spare	Min quantity
F1; F2 - N.323	3p/4p	F; W (MP)	UXAB269370231		1
F1; F2; F3; F4; F5; F6 - N.01	3p/4p	F; W (MP)	UXAB269570231		1

Type A Spare part = only for ABB L3 technicians  
 Limited availability - check availability before ordering

# Circuit Breakers

## ACB Spare Parts - Megamax F1, F2, F3, F4, F5, F6

### 31 - Key lock/ Padlock

Size	Poles	Version	Code	Type spare	Min quantity
F1; F2 - open position	3p/4p	F; W (MP)	UXAB269370239		1
F1; F2 - Padlock open position	3p/4p	F; W (MP)	UXAB269370240		1
F1; F2 - Padlock n 329 Connected/Isolated position for Open Door	3p/4p	W (MP)	UXAB269371100		1
F3, F4; F5, F6 - open position	3p/4p	W (MP)	UXAB269570239		1
F1; F2 - Padlock n 329 Connected/Isolated position for Close Door	3p/4p	W (MP)	UXAB269371200		1
F1; F2 - Padlock n 323 Connected/Isolated position for Close Door	3p/4p	W (MP)	UXAB269371201		1
F3, F4; F5, F6 - Padlock n 329 Connected/Isolated position for Close Door	3p/4p	W (MP)	UXAB269571200		1
F3, F4; F5, F6 - Padlock n 323 Connected/Isolated position for Close Door	3p/4p	W (MP)	UXAB269571201		1
F1; F2 test position for Close Door	3p/4p	F; W (MP)	UXAB269371020		1

### 32 - AUX

Size	Poles	Version	Code	Type spare	Min quantity
F1; F2 - Electrical and mechanical indication of trip I3	3p/4p	F; W (MP)	UXAB269364005		1
F1; F2 - Electrical indication of trip I1-4	3p/4p	F; W (MP)	UXAB269364010		1
F1; F2 - Mechanical indication of trip I1-4	3p/4p	W (MP)	UXAB269364100		1
F1; F2 - Electrical indication UVR energized	3p/4p	W	UXAB269800205		1
F1; F2 ; G2 ; LG - 5 AUX Closed/Opened Left/ Right	3p/4p	F	UXAB239260011		1
F1; F2 ; G2 ; LG - 10 AUX Closed/Opened Left/ Right	3p/4p	F	UXAB239260012		1
F1; F2 ; G2 ; LG - 5 AUX Closed/Opened Left	3p/4p	W (FP)	UXAB239260001		1
F1; F2 ; G2 ; LG - 10 AUX Closed/Opened Left	3p/4p	W (FP)	UXAB239260002		1
F1; F2 ; G2 ; LG - 15 AUX Closed/Opened Left	3p/4p	W (FP)	UXAB239260003		1
F1; F2 ; G2 ; LG - 5 AUX Closed/Opened Right	3p/4p	W (FP)	UXAB239260004		1
F1; F2 ; G2 ; LG - 10 AUX Closed/Opened Right	3p/4p	W (FP)	UXAB239260005		1
F1; F2 ; G2 ; LG - Spings charged	3p/4p	F; W (MP)	UXAB239263500		1
F1; F2 ; G2 ; LG - Lever for Right - connected	3p/4p	F; W (MP)	UXAB239260910		1
F1; F2 ; G2 ; LG - Lever for Right - test/ connected	3p/4p	F; W (MP)	UXAB239260920		1
F3; F4; F5; F6 - 5 AUX Closed/Opened Left	3p/4p	W (FP)	UXAB239260001		1
F3; F4; F5; F6 - 10 AUX Closed/Opened Left	3p/4p	W (FP)	UXAB239260002		1
F3; F4; F5; F6 - 15 AUX Closed/Opened Left	3p/4p	W (FP)	UXAB239260003		1
F3; F4; F5; F6 - 5 AUX Closed/Opened Right	3p/4p	W (FP)	UXAB239260004		1
F3; F4; F5; F6 - 10 AUX Closed/Opened Right	3p/4p	W (FP)	UXAB239260005		1
F3; F4; F5; F6 - 5 AUX Closed/Opened	3p/4p	F	UXAB239360011		1
F3; F4; F5; F6 - 10 AUX Closed/Opened	3p/4p	F	UXAB239360012		1
F3; F4; F5; F6 - Electrical and mechanical indication of trip I3	3p/4p	F; W (MP)	UXAB269564005		1
F3; F4; F5; F6 - Mechanical indication of trip I1-4	3p/4p	F; W (MP)	UXAB269564100		1
F3; F4; F5; F6 - Spings charged signal	3p/4p	F; W	UXAB239363500		1
F3; F4; F5; F6 - Lever for Left - connected	3p/4p	W (FP)	UXAB239260810		1
F3; F4; F5; F6 - Lever for Left - test/connected	3p/4p	W (FP)	UXAB239260820		1
F3; F4; F5; F6 - Lever for Right - connected	3p/4p	W (FP)	UXAB239260910		1
F3; F4; F5; F6 - Lever for Right - test/ connected	3p/4p	W (FP)	UXAB239260920		1

Type A Spare part = only for ABB L3 technicians  
Limited availability - check availability before ordering





**33 - Other accessories**

Size	Poles	Version	Code	Type spare	Min quantity
F1; F2; F3; F4; F5; F6 - Accessory for Lock in-test-out position	3p/4p	W (MP)	UXAB269371010		1
F1; F2; F3; F4; F5; F6 - Transparent cover for Open/close pushbuttons	3p/4p	F; W (MP)	UXAB269375001		1
F1; F2 - Mechanical operation counter	3p/4p	F; W (MP)	UXAB269396001		1
F3; F4; F5; F6 - Mechanical operation counter	3p/4p	F; W (MP)	UXAB269596001		1

**34 - Terminal box**

Size	Poles	Version	Code	Type spare	Min quantity
F1; F2; F3; F4; F5; F6; G2; LG	3p/4p	F	UXAB239266500		1

**35 - Sliding contacts**

Size	Poles	Version	Code	Type spare	Min quantity
F1; F2; G2 ; LG - Right sliding contacts	3p/4p	W (FP)	UXAB239266002		1
F1; F2; G2 ; LG - Right sliding contacts	3p/4p	W (MP)	UXAB239266003		1
F1; F2; G2 ; LG - Left sliding contacts	3p/4p	W (FP)	UXAB239266020		1
F1; F2; G2 ; LG - Left sliding contacts	3p/4p	W (MP)	UXAB239266030		1
F1; F2; G2 ; LG - Lever for left AUX - connected	3p/4p	W (FP)	UXAB239260810		1
F1; F2; G2 ; LG - Lever for left AUX - test/connected	3p/4p	W (FP)	UXAB239260820		1
F3; F4; F5; F6 - Lever for Right AUX - test/connected	3p/4p	W	UXAB239360930		1
F3 - Right sliding contacts	3p/4p	W (FP)	UXAB239366002		1
F3 - Right sliding contacts	3p/4p	W (MP)	UXAB239366003		1
F3 - Left sliding contacts	3p/4p	W (FP)	UXAB239366020		1
F3 - Left sliding contacts	3p/4p	W (MP)	UXAB239366030		1
F4; F5; F6 - Sliding contact support for open door	4p	W (MP)	UXAB239366500		1
F3 - Sliding contact support close Door	3p/4p	W (MP)	UXAB239367400		1
F3 - Sliding contact support close Door	4p	W (MP)	UXAB239367500		1
F4; F5; F6 - Right sliding contacts	3p/4p	W (FP)	UXAB239466002		1
F4; F5; F6 - Right sliding contacts	3p/4p	W (MP)	UXAB239466003		1
F4; F5; F6 - Right sliding contacts (CD)	3p/4p	W (MP)	UXAB239466005		1

Type A Spare part = only for ABB L3 technicians  
 Limited availability - check availability before ordering



# Circuit Breakers

## ACB Spare Parts - Megamax F1, F2, F3, F4, F5, F6



### 36 - Upper fixed contact Kit with fixed arcing

Size	Poles	Version	Code	Type spare	Min quantity
F1B 1250A; F1N 1250A	3p	F; W (MP)	UXAB269199018	A	1
F1B 1250A; F1N 1250A	4p	F; W (MP)	UXAB269199019	A	1
F1B 1600A; F1N 1600A	3p	F; W (MP)	UXAB269199020	A	1
F1B 1600A; F1N 1600A	4p	F; W (MP)	UXAB269199021	A	1
F1S 1250A	3p	F; W (MP)	UXAB269199022	A	1
F1S 1250A	4p	F; W (MP)	UXAB269199023	A	1
F1S 1600A	3p	F; W (MP)	UXAB269199024	A	1
F1S 1600A	4p	F; W (MP)	UXAB269199025	A	1
F1B 2000A; F1N 2000A; F1S 2000A	3p	F; W (MP)	UXAB269199026	A	1
F1B 2000A; F1N 2000A; F1S 2000A	4p	F; W (MP)	UXAB269199027	A	1
F2S 3000A	3p	F	UXAB269499059	A	1
F2S 3000A	4p	F	UXAB269499060	A	1
F2S	3p	W (MP)	UXAB269499061	A	1
F2S	4p	W (MP)	UXAB269499062	A	1
F1H 1250A; F1V 1250A	3p	F; W (MP)	UXAB249399111	A	1
F1H 1250A; F1V 1250A	4p	F; W (MP)	UXAB249399112	A	1
F1H 1600A; F1V 1600A	3p	F; W (MP)	UXAB249399113	A	1
F1H 1600A; F1V 1600A	4p	F; W (MP)	UXAB249399114	A	1
F1L 1250A	3p	F; W (MP)	UXAB249399115	A	1
F1L 1250A	4p	F; W (MP)	UXAB249399116	A	1
F1L 1600A	3p	F; W (MP)	UXAB249399117	A	1
F1L 1600A	4p	F; W (MP)	UXAB249399118	A	1
F2H; F2V	3p	F; W (MP)	UXAB249499061	A	1
F2H; F2V	4p	F; W (MP)	UXAB249499062	A	1
F2L	3p	F; W (MP)	UXAB249499063	A	1
F2L	4p	F; W (MP)	UXAB249499064	A	1
F3 2000A; F3 2500A	3p	F	UXAB269599073	A	1
F3 2000A; F3 2500A	4p	F	UXAB269599074	A	1
F3 3000A	3p	F	UXAB269599075	A	1
F3 3000A	4p	F	UXAB269599076	A	1
F3 2000A, F3 2500A; F3 3000A	3p	W (MP)	UXAB269599081	A	1
F3 2000A, F3 2500A; F3 3000A	4p	W (MP)	UXAB269599082	A	1
F3 3200A	3p	W (MP)	UXAB269599083	A	1
F3 3200A	4p	W (MP)	UXAB269599084	A	1
F3 3600A	3p	W (MP)	UXAB269599085	A	1
F3 3600A	4p	W (MP)	UXAB269599086	A	1
F4 3200A	3p	F	UXAB269599077	A	1
F4 3200A	4p	F	UXAB269599078	A	1
F4 3600A	3p	F	UXAB269599079	A	1
F4 3600A	4p	F	UXAB269599080	A	1
F4 3000A	3p	W (MP)	UXAB269599081	A	1
F4 3000A	4p	W (MP)	UXAB269599082	A	1
F4 3200A	3p	W (MP)	UXAB269599083	A	1
F4 3200A	4p	W (MP)	UXAB269599084	A	1
F4 3600A	3p	W (MP)	UXAB269599085	A	1
F4 3600A	4p	W (MP)	UXAB269599086	A	1
F5 3200A	3p	F	UXAB269799023	A	1
F5 3200A	4p	F	UXAB269799024	A	1
F5 4000; F5 5000A	3p	F	UXAB269799025	A	1
F5 4000; F5 5000A	4p	F	UXAB269799026	A	1
F5 3200A	3p	W (MP)	UXAB269799027	A	1
F5 3200A	4p	W (MP)	UXAB269799028	A	1
F5 4000; F5 5000A	3p	W (MP)	UXAB269799029	A	1
F5 4000; F5 5000A	4p	W (MP)	UXAB269799030	A	1
F6	3p	W (MP)	UXAB269799031	A	1

Type A Spare part = only for ABB L3 technicians  
 Limited availability - check availability before ordering





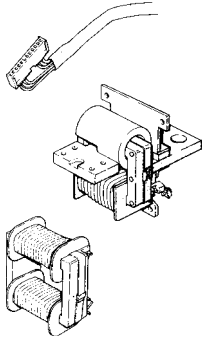
**37 - Current transformers wires - Overcurrent release**

Size	Poles	Version	Code	Type spare	Min quantity
F1 1250A R 250	3p	F; W (MP)	UXAB269301111		1
F1 1250A R400	3p	F; W (MP)	UXAB269301112		1
F1 1250A R800	3p	F; W (MP)	UXAB269301113		1
F1 1250A R1000	3p	F; W (MP)	UXAB269301115		1
F1 1600 R 1250	4p	F; W(MP)	UXAB269301224		1
F1 1250A R1250	3p	F; W (MP)	UXAB269301114		1
F1 1600A R1250	3p	F; W (MP)	UXAB269301124		1
F1 1600A R1600	3p	F; W (MP)	UXAB269301125		1
F1B; F1N, F1S 2000A R1250	3p	F; W (MP)	UXAB269301134		1
F1B; F1N, F1S 2000A R2000	3p	F; W (MP)	UXAB269301136		1
F1 1250A R400	4p	F; W (MP)	UXAB269301212		1
F1 1250A R800	4p	F; W (MP)	UXAB269301213		1
F1 1250A R1250	4p	F; W (MP)	UXAB269301214		1
F1 1600A R1250	4p	F; W (MP)	UXAB269301224		1
F1 1600A R1600 External neutral	4p	F; W (MP)	UXAB269301225		1
F1B; F1N; F1S 2000A R1250	4p	F; W (MP)	UXAB269301234		1
F1B; F1N; F1S 2000 R 1250 External neutral	4p	F; W (MP)	UXAB269301234		1
F1B; F1N, F1S 2000A R2000 External neutral	4p	F; W (MP)	UXAB269301236		1
F1 1250A R400 External neutral	3p	W (MP)	UXAB269301312		1
F1 1250A R1250 External neutral	3p	W (MP)	UXAB269301314		1
F1 1600A R1600 External neutral	3p	W (MP)	UXAB269301325		1
F1B; F1N, F1S 2000A R2000 External neutral	3p	W (MP)	UXAB269301336		1
F2 2000A; F2 3000A R2000	3p	F; W (MP)	UXAB269401116		1
F2 2500A R2500	3p	F; W (MP)	UXAB269401117		1
F2S 3000A R3000 External neutral	3p	W (MP)	UXAB269401118		1
F2 2000A; F2 3000A R2000	4p	F; W (MP)	UXAB269401216		1
F2 2500A R250	4p	F; W (MP)	UXAB269401217		1
F2S 3000A R3000	4p	W (MP)	UXAB269401218		1
F2 2500A R250	3p	W (MP)	UXAB269401317		1
F1 1000A R1250	3p	F; W (MP)	UXAB269301115		1
F2L; F2V; F2H 2000A R1250	3p	F	UXAB269401114		1
F2S 3000A R2000	3p	F	UXAB269401126		1
F2S 3000A R3000	3p	F	UXAB269401128		1
F2L; F2V; F2H 2000A R1250	4p	F; W (MP)	UXAB269401214		1
F2S 3000A R2000	4p	F	UXAB269401226		1
F2S 3000A R3000	4p	F	UXAB269401228		1

Type A Spare part = only for ABB L3 technicians  
 Limited availability - check availability before ordering

# Circuit Breakers

## ACB Spare Parts - Megamax F1, F2, F3, F4, F5, F6



### 38 - Overcurrent release with current transformers wires

Size	Poles	Version	Code	Type spare	Min quantity
F3S 2000A R1250	3p	F; W (MP)	UXAB269501101		1
F3S 2000A; F3S 3000A R2000	3p	F; W (MP)	UXAB269501102		1
F3S 2500A R2500	3p	F; W (MP)	UXAB269501103		1
F3S 3000A R3000	3p	F; W (MP)	UXAB269501104		1
F3S 2000A; F3S 3000A R2000	4p	F; W (MP)	UXAB269501202		1
F3S 2500A R2500	4p	F; W (MP)	UXAB269501203		1
F3S 2500A R3000	4p	F; W (MP)	UXAB269501204		1
F4S 3200A; F4S 3600A R2000	3p	F; W (MP)	UXAB269601101		1
F4S 3200A R3200	3p	F; W (MP)	UXAB269601102		1
F4S 3600A R3600	3p	F; W (MP)	UXAB269601103		1
F4S 3200A; F4S 3600A R2000	4p	F; W (MP)	UXAB269601201		1
F4S 3200A R3200	4p	F; W (MP)	UXAB269601202		1
F4S 3600A R3600	4p	F; W (MP)	UXAB269601203		1
F5 3200A R2000	3p	F; W (MP)	UXAB269701101		1
F5 3200A; F5 4000A R3200	3p	F; W (MP)	UXAB269701102		1
F5 4000A 5000A R4000	3p	F; W (MP)	UXAB269701103		1
F5 5000A R5000	3p	F; W (MP)	UXAB269701104		1
F5 3200A R2000	4p	F; W (MP)	UXAB269701201		1
F5 3200A; F5 4000A R3200	4p	F; W (MP)	UXAB269701202		1
F5 4000A; F5 5000A R4000	4p	F; W (MP)	UXAB269701203		1
F5 5000A R5000	4p	F; W (MP)	UXAB269701204		1
F6 6300A R6300	3p	W (MP)	UXAB269801101		1

### 39 - Safety shutters

Size	Poles	Version	Code	Type spare	Min quantity
F1; G2; LG < 2000A	3p	W(FP)	UXAB239277100		1
F1; G2; LG < 2000A	4p	W(FP)	UXAB239277200		1
F2; G2; LG 2500-3000A	3p	W(FP)	UXAB239277300		1
F2; G2; LG 2500-3000A	4p	W(FP)	UXAB239277400		1

### 40 - ACB floor crane

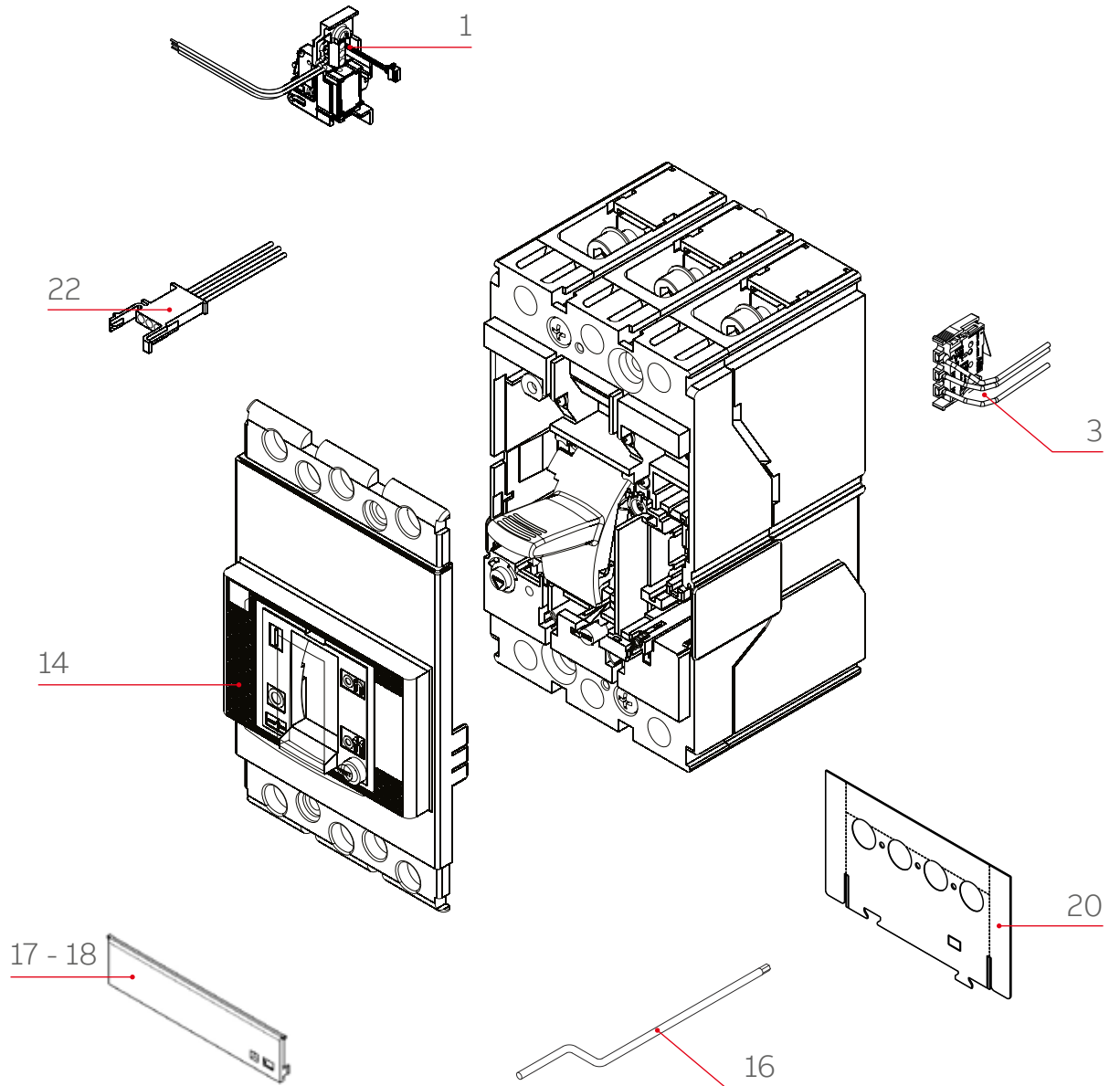
Size	Poles	IEC/UL Version	Code	Type spare	Min quantity
F1,F2,F3,F4,F5,F6	3p; 4p	IEC/UL F; W (MP)	1SDA103910R1	A	1

Chains and ropes are not included



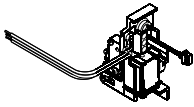
# Circuit Breakers

## MCCB Spare Parts - Tmax XT1, XT2, XT3, XT4



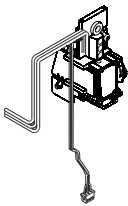
# Circuit Breakers

## MCCB Spare Parts - Tmax XT1, XT2, XT3, XT4



### 1 - SA RC Sel/RC Inst - Opening Solenoid of the residual current device

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
XT1	3p/4p	F; P	IEC	1SDA066990R1		1
XT2	3p/4p	F; P	IEC	1SDA066991R1		1
XT2	3p/4p	W	IEC	1SDA066993R1		1
XT4	3p/4p	F; P	IEC	1SDA067209R1		1
XT4	3p/4p	W	IEC	1SDA067210R1		1

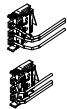


### 2 - SA RC Sel/RC Inst/RC B Type -Opening Solenoid of the residual current device

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
XT3	3p/4p	F; P	IEC	1SDA066992R1		1

### 3 - SA RC B Type -Opening Solenoid of the residual current device

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
XT3	3p/4p	F; P	IEC	1SDA067208R1		1



### 4 - AUX-C - Loose cabled auxiliary contact 250VAC - un-numbered cables

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
XT1; XT2; XT3; XT4	3p/4p	F; P	IEC	1SDA066994R1		1
XT2; XT4	3p/4p	W	IEC	1SDA066995R1		1

### 5 - AUX-C - Loose cabled auxiliary contact 24VDC - un-numbered cables

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
XT1; XT2; XT3; XT4	3p/4p	F; P	IEC	1SDA066996R1		1
XT2; XT4	3p/4p	W	IEC	1SDA066997R1		1

### 6 - Small flange

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
XT1; XT3	3p/4p	F; P	IEC	1SDA068657R1		1
XT2; XT4	3p/4p	F; P; W	IEC	1SDA068657R1		1

### 7 - Large flange

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
XT1	3p	F; P	IEC	1SDA068639R1		1
XT1	4p	F; P	IEC	1SDA068640R1		1
XT2	3p	F; P	IEC	1SDA068641R1		1
XT2	4p	F; P	IEC	1SDA068642R1		1
XT3	3p	F; P	IEC	1SDA068644R1		1
XT3	4p	F; P	IEC	1SDA068645R1		1
XT4	3p	F; P	IEC	1SDA068646R1		1
XT4	4p	F; P	IEC	1SDA068647R1		1

### 8 - MOD flange

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
XT1; XT3	3p/4p	F; P	IEC	1SDA068648R1		1

### 9 - Flange for MOE/MOE-E/FLD

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
XT2; XT4	3p/4p	F; P	IEC	1SDA068649R1		1
XT2; XT4	3p/4p	W	IEC	1SDA068650R1		1

### 10 - Flange for direct handle RHD

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
XT1; XT2; XT3; XT4	3p/4p	F; P	IEC	1SDA068651R1		1
XT2; XT4	3p/4p	W	IEC	1SDA068652R1		1

Type A Spare part = only for ABB L3 technicians





**11 - Flange for residual current RC Sel/Inst**

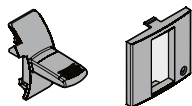
Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
XT1	3p	F; P	IEC	1SDA068653R1		1
XT1	4p	F; P	IEC	1SDA068654R1		1
XT3	3p	F; P	IEC	1SDA068655R1		1
XT3	4p	F; P	IEC	1SDA068656R1		1

**12 - Flange for residual current RC Sel**

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
XT2	4p	F; P	IEC	1SDA066647R1		1
XT2	4p	W	IEC	1SDA066648R1		1
XT4	4p	F; P	IEC	1SDA066649R1		1
XT4	4p	W	IEC	1SDA066650R1		1

**13 - Transparent cover for RC (5 pcs )**

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
XT2	3p/4p	F; P	IEC	1SDA076313R1		1
XT3	3p/4p	F; P	IEC	1SDA076311R1		1
XT4	3p/4p	F; P	IEC	1SDA076312R1		1



**14 - Operating Lever and lucid plate**

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
XT1	3p/4p	F; P	IEC/UL	1SDA076415R1		1
XT2 - lever protection included	3p/4p	F; P	IEC	1SDA076416R1		1
XT3	3p/4p	F; P	IEC/UL	1SDA076417R1		1
XT4 - lever protection included	3p/4p	F; P	IEC	1SDA076418R1		1

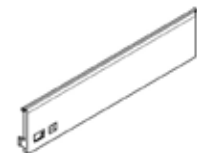
**15 - Kit fixing screws (50 pcs) - 2 screws are needed to complete 1 breaker**

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
XT1; XT3	3p/4p	F	IEC/UL	1SDA076419R1		1
XT2; XT4	3p/4p	F	IEC/UL	1SDA076420R1		1



**16 - Draw out lever**

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
XT2; XT4	3p/4p	W	IEC/UL	1SDA076421R1		1



**17 - Transparent cover for TMA Trip unit**

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
XT2	3p	F; P	IEC	1SDA076422R1		1
XT2	4p	F; P	IEC	1SDA076423R1		1
XT4	3p	F; P	IEC	1SDA076426R1		1
XT4	4p	F; P	IEC	1SDA076427R1		1



**18 - Transparent cover for Ekip Trip unit**

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
XT2	3p	F; P	IEC	1SDA076424R1		1
XT2	4p	F; P	IEC	1SDA076425R1		1
XT4	3p	F; P	IEC	1SDA076428R1		1
XT4	4p	F; P	IEC	1SDA076430R1		1

Type A Spare part = only for ABB L3 technicians



# Circuit Breakers

## MCCB Spare Parts - Tmax XT1, XT2, XT3, XT4

### 19 - Wiring side covers

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
XT1	3p/4p	F; P	IEC	1SDA076431R1		1
XT3	3p/4p	F; P	IEC	1SDA076432R1		1
XT2; XT4	3p/4p	F; P; W	IEC	1SDA076434R1		1

### 20 - Back insulating plates (20 pcs - to complete 1 breaker, 2 plates are needed)

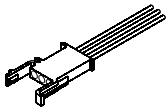
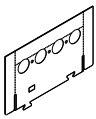
Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
XT1	3p	F	IEC/UL	1SDA076435R1		1
XT1	4p	F	IEC/UL	1SDA076508R1		1
XT2	3p	F	IEC/UL	1SDA076509R1		1
XT2	4p	F	IEC/UL	1SDA076510R1		1
XT3	3p	F	IEC/UL	1SDA076511R1		1
XT3	4p	F	IEC/UL	1SDA076512R1		1
XT4	3p	F	IEC/UL	1SDA076513R1		1
XT4	4p	F	IEC/UL	1SDA076514R1		1

### 21 - Connector for fixed part/moving of withdrawable with 2PINS for SOR/UVR up to 400V

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
XT2; XT4	3p/4p	W	IEC	1SDA067213R1		1

### 22 - Connector for fixed part/moving of withdrawable with 3PINS for up to 400V

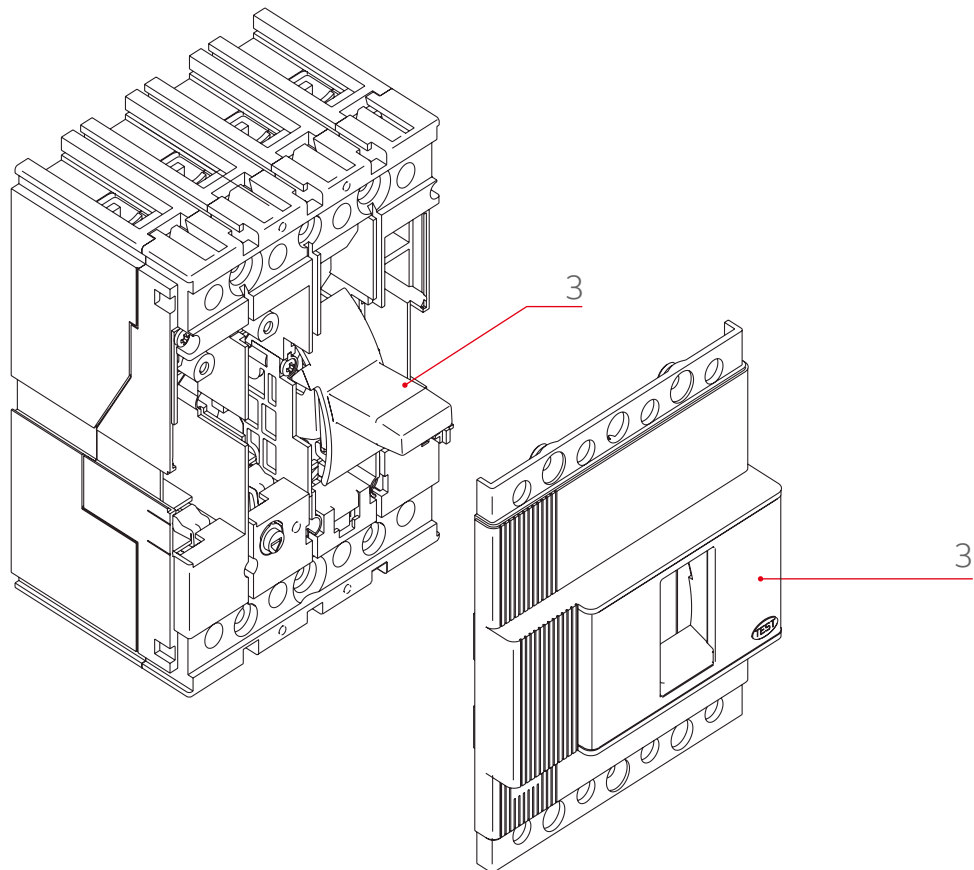
Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
XT2; XT4	3p/4p	W	IEC	1SDA067214R1		1



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# Circuit Breakers

## MCCB Spare Parts - Tmax T1, T2, T3



# Circuit Breakers

## MCCB Spare Parts - Tmax T1, T2, T3

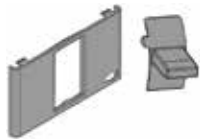


### 1 - Opening solenoid for residual current releases

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
T1-RC221-222 + Aux K51	3p/4p	F	IEC	1SDA051506R1		1
T2-RC221-222 + Aux K51	3p/4p	F; P	IEC	1SDA051507R1		1
T3-RC221-222 + Aux K51	3p/4p	F; P	IEC	1SDA051508R1		1
T3-RC223 + Aux K51	3p/4p	F; P	IEC	1SDA064548R1		1

### 2 - Opening solenoid for electronic overcurrent release

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
T2	3p/4p	F; P	IEC/UL	1SDA051505R1		1



### 3 - Operating lever and lucid plate

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
T1	3p/4p	F	IEC/UL	1SDA069211R1		1
T2	3p/4p	F; P	IEC/UL	1SDA069221R1		1
T3	3p/4p	F; P	IEC/UL	1SDA069222R1		1

### 4 - Fixing screws

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
T1; T2; T3	3p	F		1SDA069256R1		1
T1; T2; T3	4p	F		1SDA069257R1		1

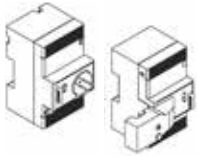
### 5 - Gasket for panel door

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
T1	3p/4p	F	IEC	1SDA051509R1		1
T2; T3	3p/4p	F; P	IEC	1SDA051509R1		1
T1 - MOS/RHD	3p/4p	F	IEC	1SDA051510R1		1
T1 - RC221/1	3p	F	IEC	1SDA051511R1		1
T2; T3 - RC221/1	3p	F; P	IEC	1SDA051511R1		1
T1 - RC221/2	3p	F	IEC	1SDA051512R1		1
T2; T3 - RC221/2	3p	F; P	IEC	1SDA051512R1		1
T1 - RC221/3	3p	F	IEC	1SDA051513R1		1
T2; T3 - RC221/3	3p	F; P	IEC	1SDA051513R1		1
T1; T2; T3 - RC221	4p	F; P	IEC	1SDA051514R1		1



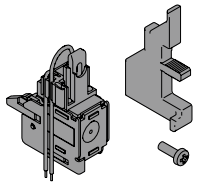
### 6 - MOS brackets (50 pcs)

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
T1	3p/4p	F	IEC/UL	1SDA082282R1		1
T2	3p/4p	F; P	IEC/UL	1SDA082283R1		1
T3	3p/4p	F; P	IEC/UL	1SDA082284R1		1



**7 - MOS**

Size	Poles	IEC/UL	Code	Type spare	Min quantity
T1; T2; T3 - 48...60V DC superimposed, 5 cables	3p/4p	F; P	IEC 1SDA059596R1		1
T1; T2; T3 - 110...250V AC/DC superimposed, 5 cables	3p/4p	F; P	IEC 1SDA059597R1		1
T1; T2 - 48...60V DC side by side, 5 cables	3p/4p	F; P	IEC 1SDA059598R1		1
T1; T2 - 110...250V AC/DC side by side, 5 cables	3p/4p	F; P	IEC 1SDA059599R1		1

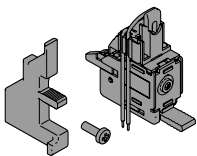


**8 - Shunt Opening Coil - SOR**

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
T1; T2; T3 - 12V DC - uncabled	3p/4p	F; P	IEC 1SDA053000R1			1
T1; T2; T3 - 24...30V AC/DC - uncabled	3p/4p	F; P	IEC 1SDA051333R1			1
T1; T2; T3 - 48...60V AC/DC - uncabled	3p/4p	F; P	IEC 1SDA051334R1			1
T1; T2; T3 - 110...127V AC - 110...125V DC - uncabled	3p/4p	F; P	IEC 1SDA051335R1			1
T1; T2; T3 - 220...240V AC - 220...250V DC - uncabled	3p/4p	F; P	IEC 1SDA051336R1			1
T1; T2; T3 - 380...440V AC - uncabled	3p/4p	F; P	IEC 1SDA051337R1			1
T1; T2; T3 - 480...525V AC - uncabled	3p/4p	F; P	IEC 1SDA051338R1			1

**9 - SOR-C**

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
T1; T2; T3 - 12V DC - cabled	3p/4p	F; P	IEC 1SDA053001R1			1
T1; T2; T3 - 24...30V AC/DC - cabled	3p/4p	F; P	IEC 1SDA051339R1			1
T1; T2; T3 - 48...60V AC/DC - cabled	3p/4p	F; P	IEC 1SDA051340R1			1
T1; T2; T3 - 110...127V AC - 110...125V DC - cabled	3p/4p	F; P	IEC 1SDA051341R1			1
T1; T2; T3 - 220...240V AC - 220...250V DC - cabled	3p/4p	F; P	IEC 1SDA051342R1			1
T1; T2; T3 - 380...440V AC - cabled	3p/4p	F; P	IEC 1SDA051343R1			1
T1; T2; T3 - 480...525V AC - cabled	3p/4p	F; P	IEC 1SDA051344R1			1

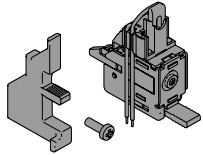


**10 - UVR**

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
T1; T2; T3 - 110...127V AC - 110...125V DC - uncabled	3p/4p	F; P	IEC 1SDA051347R1			1
T1; T2; T3 - 220...240V AC - 220...250V DC - uncabled	3p/4p	F; P	IEC 1SDA051348R1			1
T1; T2; T3 - 24...30V AC/DC - uncabled	3p/4p	F; P	IEC 1SDA051345R1			1
T1; T2; T3 - 380...440V AC - uncabled	3p/4p	F; P	IEC 1SDA051349R1			1
T1; T2; T3 - 480...525V AC - uncabled	3p/4p	F; P	IEC 1SDA051350R1			1
T1; T2; T3 - 48V AC/DC - uncabled	3p/4p	F; P	IEC 1SDA051346R1			1
T1; T2; T3 - 60V AC/DC - uncabled	3p/4p	F; P	IEC 1SDA052333R1			1

# Circuit Breakers

## MCCB Spare Parts - Tmax T1, T2, T3



### 11 - UVR-C

Size	Poles	IEC/UL	Code	Type spare	Min quantity
T1; T2; T3 - 110...127V AC - 110...125V DC - cabled	3p/4p	F; P	IEC	1SDA051353R1	1
T1; T2; T3 - 220...240V AC - 220...250V DC - cabled	3p/4p	F; P	IEC	1SDA051354R1	1
T1; T2; T3 - 24...30V AC/DC - cabled	3p/4p	F; P	IEC	1SDA051351R1	1
T1; T2; T3 - 380...440V AC - cabled	3p/4p	F; P	IEC	1SDA051355R1	1
T1; T2; T3 - 480...525V AC - cabled	3p/4p	F; P	IEC	1SDA051356R1	1
T1; T2; T3 - 48V AC/DC - cabled	3p/4p	F; P	IEC	1SDA051352R1	1
T1; T2; T3 - 60V AC/DC - cabled	3p/4p	F; P	IEC	1SDA052335R1	1

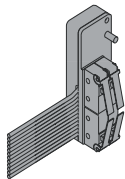


### 12 - Connectors and socket-plugs for electrical accessories

Size	Poles	IEC/UL	Code	Type spare	Min quantity
T2; T3 - Socket plug - 12 poles	3p/4p	P	IEC	1SDA051362R1	1
T2; T3 - Socket plug - 6 poles	3p/4p	P	IEC	1SDA051363R1	1
T2; T3 - Socket plug - 3 poles	3p/4p	P	IEC	1SDA051364R1	1

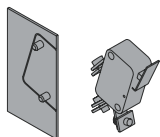
### 13 - Loose cables

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
T1; T2; T3 - 12 cables L=2m for AUX - cabled	3p/4p	F; P	IEC	1SDA051365R1	1	
T1; T2; T3 - 6 cables L=2m for AUX - cabled	3p/4p	F; P	IEC	1SDA051366R1	1	
T1; T2; T3 - 2 cables L=2m for SOR/UVR - cabled	3p/4p	F; P	IEC	1SDA051367R1	1	



### 14 - Auxiliray contacts - AUX

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
T1; T2; T3 - 1Q 1SY 250V AC/DC - cabled	3p/4p	F; P	IEC	1SDA051370R1	1	
T1; T2; T3 - 3Q 1SY 250V AC/DC - cabled	3p/4p	F; P	IEC	1SDA051371R1	1	
T1; T2; T3 - 3Q 1SY 24 Vdc - cabled	3p/4p	F; P	IEC	1SDA055361R1	1	
T2 - 1SY 1S51 - PR221 - cabled	3p/4p	F; P	IEC	1SDA053704R1	1	
T2 - 2Q - PR221 - cabled	3p/4p	F; P	IEC	1SDA055504R1	1	



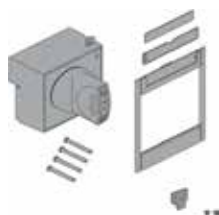
### 15 - Auxiliary position contacts - AUP

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
T2; T3 - 1 Connected SIGNALLING POSITION CONTACT	3p/4p	P	IEC	1SDA051372R1	1	



### 16 - Early Auxiliary contacts - AUE

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
T1; T2; T3	3p/4p	F; P	IEC	1SDA051374R1	1	



**17 - Rotary handle operating mechanism**

Size	Poles	IEC/UL	Code	Type spare	Min quantity
T1; T2; T3 - Direct - RHD	3p/4p	F; P	IEC	1SDA051381R1	1
T1; T2; T3 - Direct Emergency - RHD EM	3p/4p	F; P	IEC	1SDA051382R1	1
T1; T2; T3 - Transmitted - RHE	3p/4p	F; P	IEC	1SDA051383R1	1
T1; T2; T3 - Transmitted emergency - RHE- EM	3p/4p	F; P	IEC	1SDA051384R1	1
T1; T2; T3 - Base for RHE	3p/4p	F; P	IEC	1SDA051385R1	1
T1; T2; T3 - Rod (500mm) for RHE	3p/4p	F; P	IEC	1SDA051386R1	1
T1; T2; T3 - Handle for RHE	3p/4p	F; P	IEC	1SDA051387R1	1
T1; T2; T3 - Emergency handle for RHE	3p/4p	F; P	IEC	1SDA051388R1	1



**18 - Protection and phase separators**

Size	Poles	IEC/UL	Code	Type spare	Min quantity
T1;T2; T3 - Direct - IP54 for RHE	3p/4p	F; P	IEC	1SDA051392R1	1
STC T1 3p PROTECTION IP40 TERM + TAMP. SEA	3p	F	IEC	1SDA051431R1	1
STC T1 4p PROTECTION IP40 TERM + TAMP. SEA	4p	F	IEC	1SDA051432R1	1



**19 - Operating mechanism and locks**

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
T1; T2; T3 - Plug-in in open position - PLL	3p/4p	F; P	IEC	1SDA051393R1	1	
T1 - PLL for T1 1p - plug-in in open position PLL	3p/4p	F	IEC	1SDA060199R1	1	
T1; T2; T3 - Plate in open/closed position - PLL	3p/4p	F; P	IEC	1SDA051394R1	1	
T1; T2; T3 - Plate in open position - PLL	3p/4p	F; P	IEC	1SDA060534R1	1	
T1 - "Ronis" key lock in open position - same key - KLC	3p/4p	F	IEC	1SDA053528R1	1	
T2 - "Ronis" key lock in open position - same key - KLC	3p/4p	F; P	IEC	1SDA053529R1	1	
T3 - "Ronis" key lock in open position - same key - KLC	3p/4p	F; P	IEC	1SDA053530R1	1	
T1; T2; T3 - key lock for rotary handle: different keys for each circuit-breaker/in open position - RHL	3p/4p	F; P	IEC	1SDA051389R1	1	
T1; T2; T3 - key lock for rotary handle: same key for different groups of circuit-breakers (N. 20005) - RHL	3p/4p	F; P	IEC	1SDA051390R1	1	
T1; T2; T3 - key lock for rotary handle: same key for different groups of circuit-breakers (N. 20006) - RHL	3p/4p	F; P	IEC	1SDA060147R1	1	
T1; T2; T3 - key lock for rotary handle: same key for different groups of circuit-breakers (N. 20007) - RHL	3p/4p	F; P	IEC	1SDA060148R1	1	
T1; T2; T3 - key lock for rotary handle: same key for different groups of circuit-breakers (N. 20008) - RHL	3p/4p	F; P	IEC	1SDA060149R1	1	
T1; T2; T3 - key lock for rotary handle: different keys in O/C position - RHL	3p/4p	F; P	IEC	1SDA052021R1	1	
T1; T2; T3 - 110...127V AC - 110...125V DC - uncabled	3p/4p	F; P	IEC	1SDA051335R1	1	
T1; T2; T3 - 220...240V AC - 220...250V DC - uncabled	3p/4p	F; P	IEC	1SDA051336R1	1	
T1 KEY LOCK RONIS, OP/CL	3p/4p	F	IEC	1SDA051395R1	1	

# Circuit Breakers

## MCCB Spare Parts - Tmax T1, T2, T3



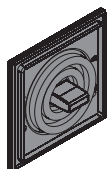
### 20 - Mechanical interlock - MIF

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
T1; T2; T3 - front interlocking plate between 2 CB - MIF	3p/4p	F	IEC	1SDA051396R1		1
T1; T2; T3 - front interlocking plate among 3 CB - MIF	3p/4p	F	IEC	1SDA052165R1		1



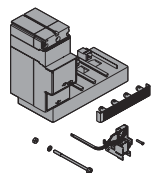
### 21 - Mechanical interlock - MIR

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
T3 - Mechanical Rear Horizontal Interlock	3p/4p	F	IEC	1SDA063324R1		1
T3 - Mechanical Rear Vertical Interlock	3p/4p	F	IEC	1SDA063325R1		1



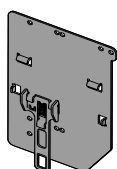
### 22 - IP44 toggle protection

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
T1; T2; T3 - Operating mechanism protection lever	3p/4p	F; P	IEC	1SDA065808R1		1



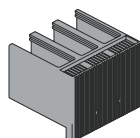
### 23 - Residual current releases

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
T1 - RC222/1 MOD 200mm	4p	F	IEC	1SDA053869R1		1
T1 - RC221/1	3p	F	IEC	1SDA051398R1		1
T1 - RC221/1	4p	F	IEC	1SDA051401R1		1
T1 - RC222/1	3p	F	IEC	1SDA051400R1		1
T1 - RC222/1	4p	F	IEC	1SDA051402R1		1
T2 - RC221/2	3p	F	IEC	1SDA051403R1		1
T2 - RC221/2	4p	F	IEC	1SDA051405R1		1
T2 - RC222/2	3p	F	IEC	1SDA051404R1		1
T2 - RC222/2	4p	F	IEC	1SDA051406R1		1
T3 - RC221/3	3p	F	IEC	1SDA051407R1		1
T3 - RC221/3	4p	F	IEC	1SDA051409R1		1
T3 - RC222/3	3p	F	IEC	1SDA051408R1		1
T3 - RC222/3	4p	F	IEC	1SDA051410R1		1



### 24 - Bracket for fixing onto DIN rail

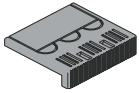
Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
T1 - DIN 50022 - for RC222 mod. 200mm	4p	F	IEC	1SDA053940R1		1
T1; T2 - DIN50022	3p/4p	F	IEC	1SDA051437R1		1
T1; T2 - DIN 50022 - for MOS side-by-side	3p/4p	F	IEC	1SDA051939R1		1
T1; T2 - DIN 50022 - for RC221/RC222	3p/4p	F	IEC	1SDA051937R1		1
T3 - DIN50022	3p/4p	F	IEC	1SDA051439R1		1
T3 - DIN 50022 - for RC221/RC222	3p/4p	F	IEC	1SDA051938R1		1



### 25 - High insulating terminal cover - HTC

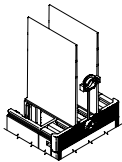
Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
T1 - 2pcs	3p	F	IEC	1SDA051415R1		1
T1 - 2pcs	4p	F	IEC	1SDA051416R1		1
T2 - 2pcs	3p	F	IEC	1SDA051417R1		1
T2 - 2pcs	4p	F	IEC	1SDA051418R1		1
T3 - 2pcs	3p	F	IEC	1SDA051419R1		1
T3 - 2pcs	4p	F	IEC	1SDA051420R1		1





**26 - Low insulating terminal cover - LTC**

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
T1 - 2pcs	3p	F	IEC	1SDA051421R1		1
T1 - 2pcs	4p	F	IEC	1SDA051422R1		1
T2 - 2pcs	3p	F	IEC	1SDA051423R1		1
T2 - 2pcs	4p	F	IEC	1SDA051424R1		1
T3 - 2pcs	3p	F	IEC	1SDA051425R1		1
T3 - 2pcs	4p	F	IEC	1SDA051426R1		1



**27 - IP40 front protection for crews terminals - STC**

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
T1 - STC	3p	F	IEC	1SDA051431R1		1
T1 - STC	4p	F	IEC	1SDA051432R1		1
T2 - STC	3p	F; P	IEC	1SDA051433R1		1
T2 - STC	4p	F; P	IEC	1SDA051434R1		1
T3 - STC	3p	F; P	IEC	1SDA051435R1		1
T3 - STC	4p	F; P	IEC	1SDA051436R1		1

# Circuit Breakers

## MCCB Spare Parts - Tmax T1, T2, T3



### 30 - Terminals

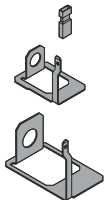
Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
<b>FC CuAl</b>						
T1 - KIT FC CuAl 2,5...50mm <sup>2</sup> - 3pcs	3p	F	IEC	1SDA064186R1		2
T1 - KIT FC CuAl 2,5...50mm <sup>2</sup> - 4pcs	4p	F	IEC	1SDA064187R1		2
T1 - KIT FC CuAl 2,5...50mm <sup>2</sup> - 6pcs	3p	F	IEC	1SDA064188R1		1
T1 - KIT FC CuAl 2,5...50mm <sup>2</sup> - 8pcs	4p	F	IEC	1SDA064189R1		1
T1 - KIT FC CuAl 2x95mm <sup>2</sup> - 3pcs	3p	F	IEC	1SDA051446R1		2
T1 - KIT FC CuAl 2x95mm <sup>2</sup> - 4pcs	4p	F	IEC	1SDA051447R1		2
T1 - KIT FC CuAl 2x95mm <sup>2</sup> - 6pcs	3p	F	IEC	1SDA051444R1		1
T1 - KIT FC CuAl 2x95mm <sup>2</sup> - 8pcs	4p	F	IEC	1SDA051445R1		1
T2 - KIT FC CuAl 2,5...50mm <sup>2</sup> - 3pcs	3p	F	IEC	1SDA051458R1		2
T2 - KIT FC CuAl 2,5...50mm <sup>2</sup> - 4pcs	4p	F	IEC	1SDA051459R1		2
T2 - KIT FC CuAl 2,5...50mm <sup>2</sup> - 6pcs	3p	F	IEC	1SDA051456R1		1
T2 - KIT FC CuAl 2,5...50mm <sup>2</sup> - 8pcs	4p	F	IEC	1SDA051457R1		1
T2 - KIT FC CuAl 2x95mm <sup>2</sup> - 3pcs	3p	F	IEC	1SDA055153R1		2
T2 - KIT FC CuAl 2x95mm <sup>2</sup> - 4pcs	4p	F	IEC	1SDA055154R1		2
T2 - KIT FC CuAl 2x95mm <sup>2</sup> - 6pcs	3p	F	IEC	1SDA055151R1		1
T2 - KIT FC CuAl 2x95mm <sup>2</sup> - 8pcs	4p	F	IEC	1SDA055152R1		1
T2 - KIT FC CuAl 185mm <sup>2</sup> - 3pcs	3p	F	IEC	1SDA051462R1		2
T2 - KIT FC CuAl 185mm <sup>2</sup> - 4pcs	4p	F	IEC	1SDA051463R1		2
T2 - KIT FC CuAl 185mm <sup>2</sup> - 6pcs	3p	F	IEC	1SDA051460R1		1
T2 - KIT FC CuAl 185mm <sup>2</sup> - 8pcs	4p	F	IEC	1SDA051461R1		1
T3 - KIT FC CuAl 2x150mm <sup>2</sup> - 3pcs	3p	F	IEC	1SDA055157R1		2
T3 - KIT FC CuAl 2x150mm <sup>2</sup> - 4pcs	4p	F	IEC	1SDA055158R1		2
T3 - KIT FC CuAl 2x150mm <sup>2</sup> - 6pcs	3p	F	IEC	1SDA055155R1		1
T3 - KIT FC CuAl 2x150mm <sup>2</sup> - 8pcs	4p	F	IEC	1SDA055156R1		1
T3 - KIT FC CuAl 185mm <sup>2</sup> - 3pcs	3p	F	IEC	1SDA051486R1		2
T3 - KIT FC CuAl 185mm <sup>2</sup> - 4pcs	4p	F	IEC	1SDA051487R1		2
T3 - KIT FC CuAl 185mm <sup>2</sup> - 6pcs	3p	F	IEC	1SDA051484R1		1
T3 - KIT FC CuAl 185mm <sup>2</sup> - 8pcs	4p	F	IEC	1SDA051485R1		1
T3 - KIT FC CuAl 150...240mm <sup>2</sup> - 3pcs	3p	F	IEC	1SDA051940R1		2
T3 - KIT FC CuAl 150...240mm <sup>2</sup> - 4pcs	4p	F	IEC	1SDA051941R1		2
T3 - KIT FC CuAl 150...240mm <sup>2</sup> - 6pcs	3p	F	IEC	1SDA051942R1		1
T3 - KIT FC CuAl 150...240mm <sup>2</sup> - 8pcs	4p	F	IEC	1SDA051943R1		1
<b>Extended Front</b>						
T1 - kit EF - 3pcs	3p	F	IEC	1SDA051442R1		2
T1 - kit EF - 4pcs	4p	F	IEC	1SDA051443R1		2
T1 - kit EF - 6pcs	3p	F	IEC	1SDA051440R1		1
T1 - kit EF - 8pcs	4p	F	IEC	1SDA051441R1		1
T2 - kit EF - 3pcs	3p	F	IEC	1SDA051466R1		2
T2 - kit EF - 4pcs	4p	F	IEC	1SDA051467R1		2
T2 - kit EF - 6pcs	3p	F	IEC	1SDA051464R1		1
T2 - kit EF - 8pcs	4p	F	IEC	1SDA051465R1		1
T3 - kit EF - 3pcs	3p	F	IEC	1SDA051490R1		2
T3 - kit EF - 4pcs	4p	F	IEC	1SDA051491R1		2
T3 - kit EF - 6pcs	3p	F	IEC	1SDA051488R1		1
T3 - kit EF - 8pcs	4p	F	IEC	1SDA051489R1		1

**30 - Terminals**

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
<b>Front terminal</b>						
T2 - KIT F - Plug with screws - 3 pcs	3p	F	IEC	1SDA051450R1		2
T2 - KIT F - Plug with screws - 4pcs	4p	F	IEC	1SDA051451R1		2
T2 - KIT F - Plug with screws - 6pcs	3p	F	IEC	1SDA051448R1		1
T2 - KIT F - Plug with screws - 8pcs	4p	F	IEC	1SDA051449R1		1
T3 - KIT F - Plug with screws -3 pcs	3p	F	IEC	1SDA051478R1		2
T3 - KIT F - Plug with screws - 4pcs	4p	F	IEC	1SDA051479R1		2
T3 - KIT F - Plug with screws - 6pcs	3p	F	IEC	1SDA051476R1		1
T3 - KIT F - Plug with screws - 8pcs	4p	F	IEC	1SDA051477R1		1
<b>Extended Spread</b>						
T2 - KIT Extended Spread -3 pcs	3p	F	IEC	1SDA051470R1		2
T2 - KIT Extended Spread - 4pcs	4p	F	IEC	1SDA051471R1		2
T2 - KIT Extended Spread - 6pcs	3p	F	IEC	1SDA051468R1		1
T2 - KIT Extended Spread - 8pcs	4p	F	IEC	1SDA051469R1		1
T3 - KIT Extended Spread -3 pcs	3p	F	IEC	1SDA051494R1		2
T3 - KIT Extended Spread - 4pcs	4p	F	IEC	1SDA051495R1		2
T3 - KIT Extended Spread - 6pcs	3p	F	IEC	1SDA051492R1		1
T3 - KIT Extended Spread - 8pcs	4p	F	IEC	1SDA051493R1		1
<b>FC Cu</b>						
T2 - KIT FC Cu - 3 pcs	3p	F	IEC	1SDA051454R1		2
T2 - KIT FC Cu - 4pcs	4p	F	IEC	1SDA051455R1		2
T2 - KIT FC Cu - 6pcs	3p	F	IEC	1SDA051452R1		1
T2 - KIT FC Cu - 8pcs	4p	F	IEC	1SDA051453R1		1
T3 - KIT FC Cu - 3 pcs	3p	F	IEC	1SDA051482R1		2
T3 - KIT FC Cu - 4pcs	4p	F	IEC	1SDA051483R1		2
T3 - KIT FC Cu - 6pcs	3p	F	IEC	1SDA051480R1		1
T3 - KIT FC Cu - 8pcs	4p	F	IEC	1SDA051481R1		1
<b>Rear flat horizontal</b>						
T1 - KIT HR - 3pcs	3p	F	IEC	1SDA053865R1		1
T1 - KIT HR - 4pcs	4p	F	IEC	1SDA053866R1		1
T1 - KIT HR - 6pcs	3p	F	IEC	1SDA053867R1		1
T1 - KIT HR - 8pcs	4p	F	IEC	1SDA053868R1		1
T1 - KIT HR for RC221/RC222 - 4pcs	4p	F	IEC	1SDA053987R1		1

# Circuit Breakers

## MCCB Spare Parts - Tmax T1, T2, T3

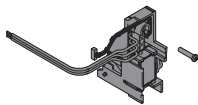


### 31 - Kit for taking up voltage for auxiliaries

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
T2 - AuxV FC Cu	3p	F	IEC	1SDA051500R1		1
T2 - AuxV FC Cu	4p	F	IEC	1SDA051501R1		1
T3 - AuxV FC Cu	3p	F	IEC	1SDA051502R1		1
T3 - AuxV FC Cu	4p	F	IEC	1SDA051503R1		1

### 32 - Flanges for compartment door

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
T1; T2; T3 - compartment door flange	3p/4p	F; P	IEC	1SDA051509R1		1
T1 - MOS/RHD	3p/4p	F; P	IEC	1SDA051510R1		1
T1 - RC221	3p	F; P	IEC	1SDA051511R1		1
T2 - RC221	3p	F; P	IEC	1SDA051512R1		1
T3 - RC221	3p	F; P	IEC	1SDA051513R1		1
T1; T2; T3 - RC221	4p	F; P	IEC	1SDA051514R1		1



### 33 - Solenoid for residual current

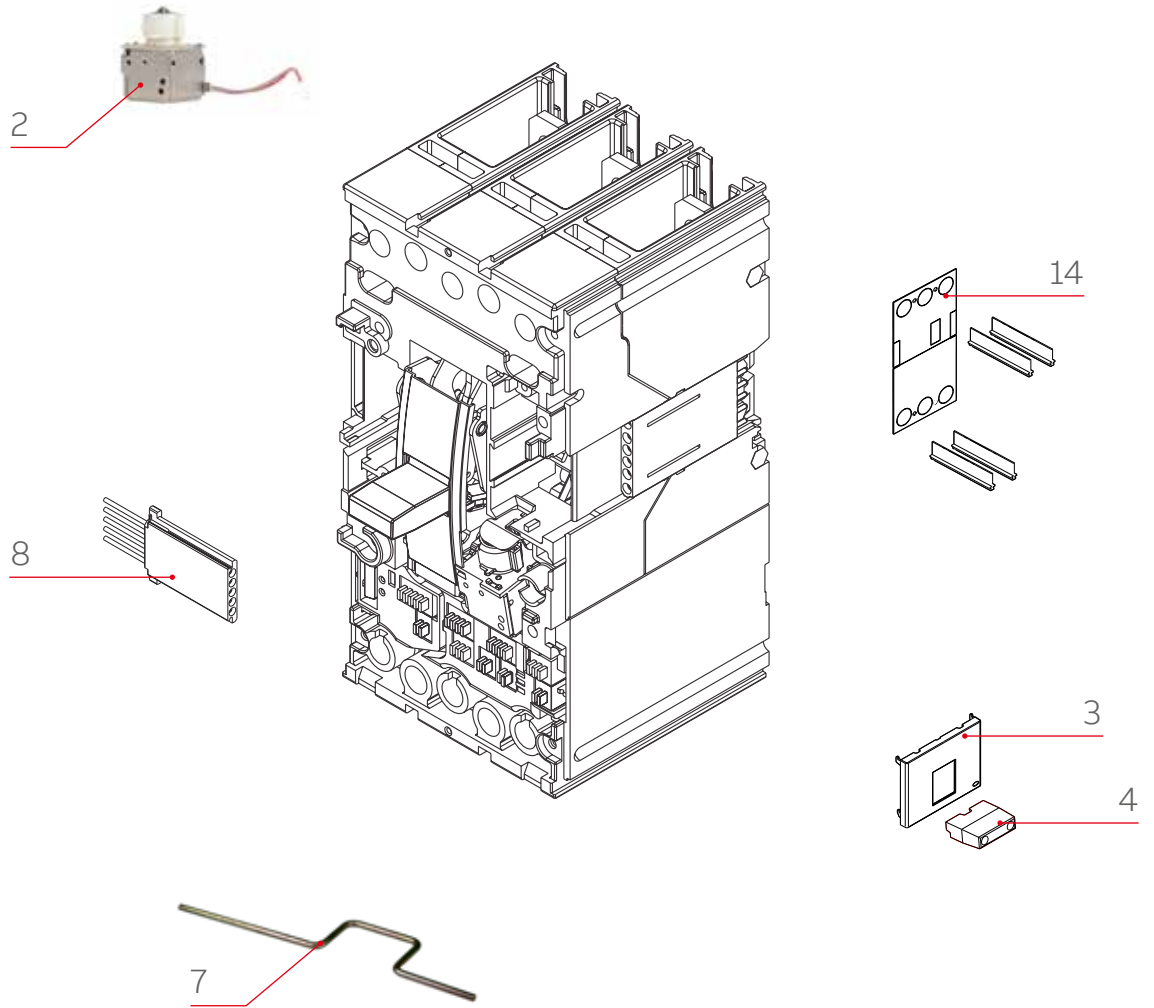
Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
T1 - RC221/RC222	3p/4p	F; P	IEC	1SDA051506R1		1
T2 - RC221/RC222	3p/4p	F; P	IEC	1SDA051507R1		1
T3 - RC221/RC222	3p/4p	F; P	IEC	1SDA051508R1		1
T3 - RC223	3p/4p	F; P	IEC	1SDA064548R1		1

### 34 - Sealable screws for terminals covers

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
T1; T2; T3	3p/4p	F; P	IEC	1SDA013699R1		1

# Circuit Breakers

## MCCB Spare Parts - Tmax T4, T5, T6, T8



# Circuit Breakers

## MCCB Spare Parts - Tmax T4, T5, T6, T8



### 1 - Opening solenoid for residual current release

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
T4; T5 - RC222-223 + Aux K51	3p/4p	F; P; W	IEC	1SDA055097R1		1



### 2 - Opening solenoid for electronic overcurrent release

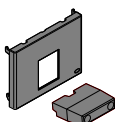
Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
T4; T5	3p/4p	F; P; W	IEC/UL	1SDA069231R1	A	1



### 3 - Lucid plate\*

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
T4; T5 Lever protection included	3p/4p	F; P; W	IEC/UL	1SDA069230R1		1

\* lever is not included as it is part of the operating mechanism



### 4 - Extended operating lever + lucid plate

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
T6	3p/4p	F; W	IEC/UL	1SDA069234R1		1

### 5 - Fixing screws

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
T4; T5	3p/4p	F	IEC/UL	1SDA059573R1		1
T6	3p/4p	F	IEC/UL	1SDA061775R1		1

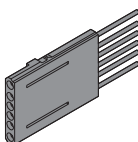
### 6 - Gasket for panel door

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
T4; T5 - for RC222	4p	F; P	IEC	1SDA055096R1		1
T4; T5	3p/4p	W	IEC	1SDA055095R1		1
T4; T5	3p/4p	F; P	IEC	1SDA055094R1		1
T6 - for MOE/RHD/FLD	3p/4p	F; W	IEC	1SDA060434R1		1
T6	3p/4p	W	IEC	1SDA060433R1		1
T6	3p/4p	F	IEC	1SDA060432R1		1
T8	3p/4p	F	IEC/UL	1SDA069243R1		1



### 7 - Winding lever

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
T4; T5; T6	3p/4p	W (FP)	IEC/UL	1SDA069213R1		1



### 8 - Fixed part Plug-in connectors for wired electrical accessories

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
T4; T5; T6 - 6pin V<300V AUX	3p/4p	P	IEC/UL	1SDA069835R1		1
T4; T5; T6 - 12pin V<300V AUX	3p/4p	P	IEC/UL	1SDA069836R1		1
T4; T5; T6 - 10pin V<300V MOE	3p/4p	P	IEC/UL	1SDA069837R1		1
T4; T5; T6 - 5pin SOR/UVR	3p/4p	P	IEC/UL	1SDA069838R1		1
T4; T5; T6 - 6pin V>300V AUX	3p/4p	P	IEC/UL	1SDA069839R1		1
T4; T5; T6 - 10pin V>300V MOE	3p/4p	P	IEC/UL	1SDA069840R1		1
T4; T5; T6 - 6pin V<300V L=3m AUX	3p/4p	P	IEC/UL	1SDA069841R1		1
T4; T5; T6 - 12pin V<300V L=3m AUX	3p/4p	P	IEC/UL	1SDA069842R1		1
T4; T5; T6 - 10pin V<300V L=3m MOE	3p/4p	P	IEC/UL	1SDA069843R1		1
T4; T5; T6 - 5pin V<300V L=3m SOR/UVR	3p/4p	P	IEC/UL	1SDA069844R1		1

### 9 - Siderails for fixed part

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
T6	3p/4p	W	IEC/UL	1SDA069233R1		1

Type A Spare part = only for ABB L3 technicians



**10 - Operating mechanism**

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
T8	3p/4p	F	IEC/UL	1SDA065849R1	A	1



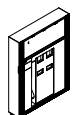
**11 - Springs for operating mechanism**

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
T8	3p	F	IEC/UL	1SDA065850R1	A	1
T8	4p	F	IEC/UL	1SDA069245R1	A	1



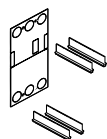
**12 - Coils support**

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
T8	3p/4p	F	IEC/UL	1SDA038339R1		1



**13 - Front Cover**

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
T8	3p	F	IEC/UL	1SDA065851R1		1
T8	4p	F	IEC/UL	1SDA065852R1		1



**14 Back insulating plates**

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
T4	3p	F	IEC/UL	1SDA082285R1		1
T4	4p	F	IEC/UL	1SDA082286R1		1
T5	3p	F	IEC/UL	1SDA082287R1		1
T5	4p	F	IEC/UL	1SDA082288R1		1
T6	3p	F	IEC/UL	1SDA082289R1		1
T6	4p	F	IEC/UL	1SDA082290R1		1
T4 - 1000V	3p	F	IEC	1SDA082291R1		1
T4 - 1000V	4p	F	IEC	1SDA082292R1		1
T5 - 1000V	3p	F	IEC	1SDA082292R1		1
T5 - 1000V	4p	F	IEC	1SDA082294R1		1
T6 - 1000V	3p	F	IEC	1SDA082295R1		1
T6 - 1000V	4p	F	IEC	1SDA082296R1		1

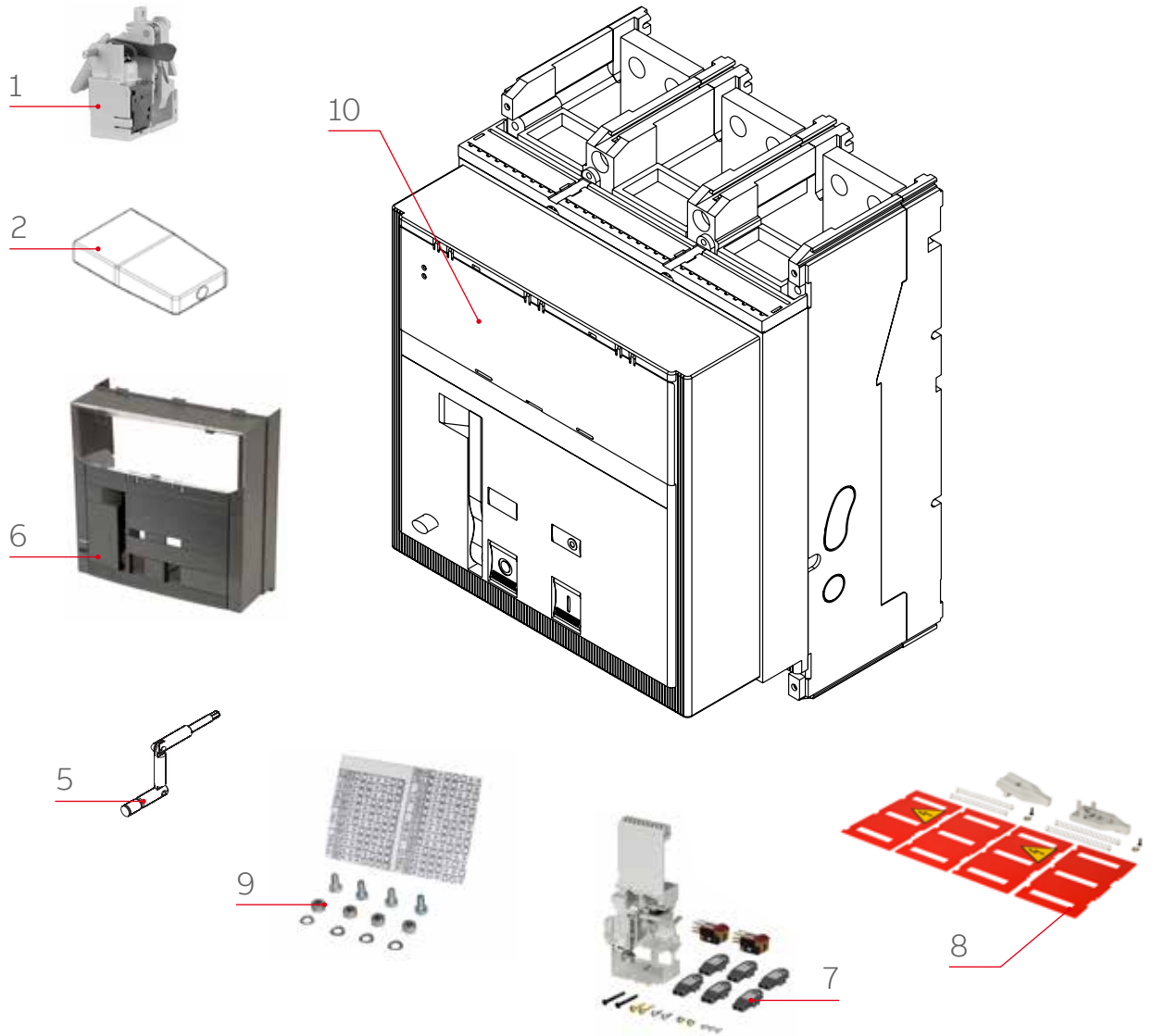
**15 - Sealable screws for terminals covers**

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
T6	3p/4p	F; P	IEC	1SDA013699R1		1



# Circuit Breakers

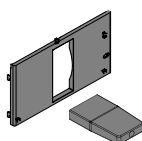
## MCCB Spare Parts - Tmax T7, T7M, New Emax X1





**1 - Opening solenoid for electronic overcurrent release**

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
T7	3p/4p	F; W (MP)	IEC/UL	1SDA069240R1	A	1
T7M	3p/4p	F; W (MP)	IEC/UL	1SDA076319R1	A	1
X1	3p/4p	F; W (MP)	IEC/UL	1SDA069246R1	A	1



**2 - Extended operating lever + lucid plate**

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
T7	3p/4p	F; W (MP)	IEC/UL	1SDA069236R1		1

**3 - Fixing screws**

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
T7; T7M; X1	3p/4p	F	IEC/UL	1SDA063762R1		1



**4 - Gasket for panel door**

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
T7 - for RHD or reduced	3p/4p	F	IEC/UL	1SDA063162R1		1
T7; T7M	3p/4p	F	IEC/UL	1SDA063160R1		1
T7; T7M	3p/4p	W (MP)	IEC/UL	1SDA063161R1		1



**5 - Winding lever**

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
T7; X1	3p/4p	W (FP)	IEC/UL	1SDA069242R1		1



**6 - Front Cover**

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
T7	3p	F; W (MP)	IEC/UL	1SDA069237R1		1
T7	4p	F; W (MP)	IEC/UL	1SDA076523R1		1
T7M	3p	F; W (MP)	IEC/UL	1SDA069239R1		1
T7M	4p	F; W (MP)	IEC/UL	1SDA076524R1		1
X1 - for PR331	3p	F; W (MP)	IEC/UL	1SDA076525R1		1
X1 - for PR331	4p	F; W (MP)	IEC/UL	1SDA076526R1		1
X1 - for PR331/PR332	3p	F; W (MP)	IEC/UL	1SDA069247R1		1
X1 - for PR331/PR332	4p	F; W (MP)	IEC/UL	1SDA076527R1		1

\* Characteristic label not included. Reuse the same one



**7 - Accessories fixing plate - MID**

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
T7	3p/4p	F; W (MP)	IEC/UL	1SDA069235R1	A	1
T7M; X1	3p/4p	F; W (MP)	IEC/UL	1SDA069238R1	A	1



**8 - Shutters for fixed part**

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
T7; T7M; X1	3p	W(FP)	IEC/UL	1SDA063575R1		1
T7; T7M; X1	4p	W(FP)	IEC/UL	1SDA063576R1		1



**9 - Anti-inserction safety lock**

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
T7; T7M; X1	3p/4p	W(FP)		1SDA063760R1		1
T7; T7M; X1	3p/4p	W(MP)		1SDA063761R1		1

**10 - Transparent Trip unit cover**

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
T7; T7M	3p/4p	F; W (MP)	IEC/UL	1SDA076528R1		1
X1 - PR331	3p/4p	F; W (MP)	IEC/UL	1SDA076532R1		1
X1 - PR332/PR333	3p/4p	F; W (MP)	IEC/UL	1SDA076533R1		1

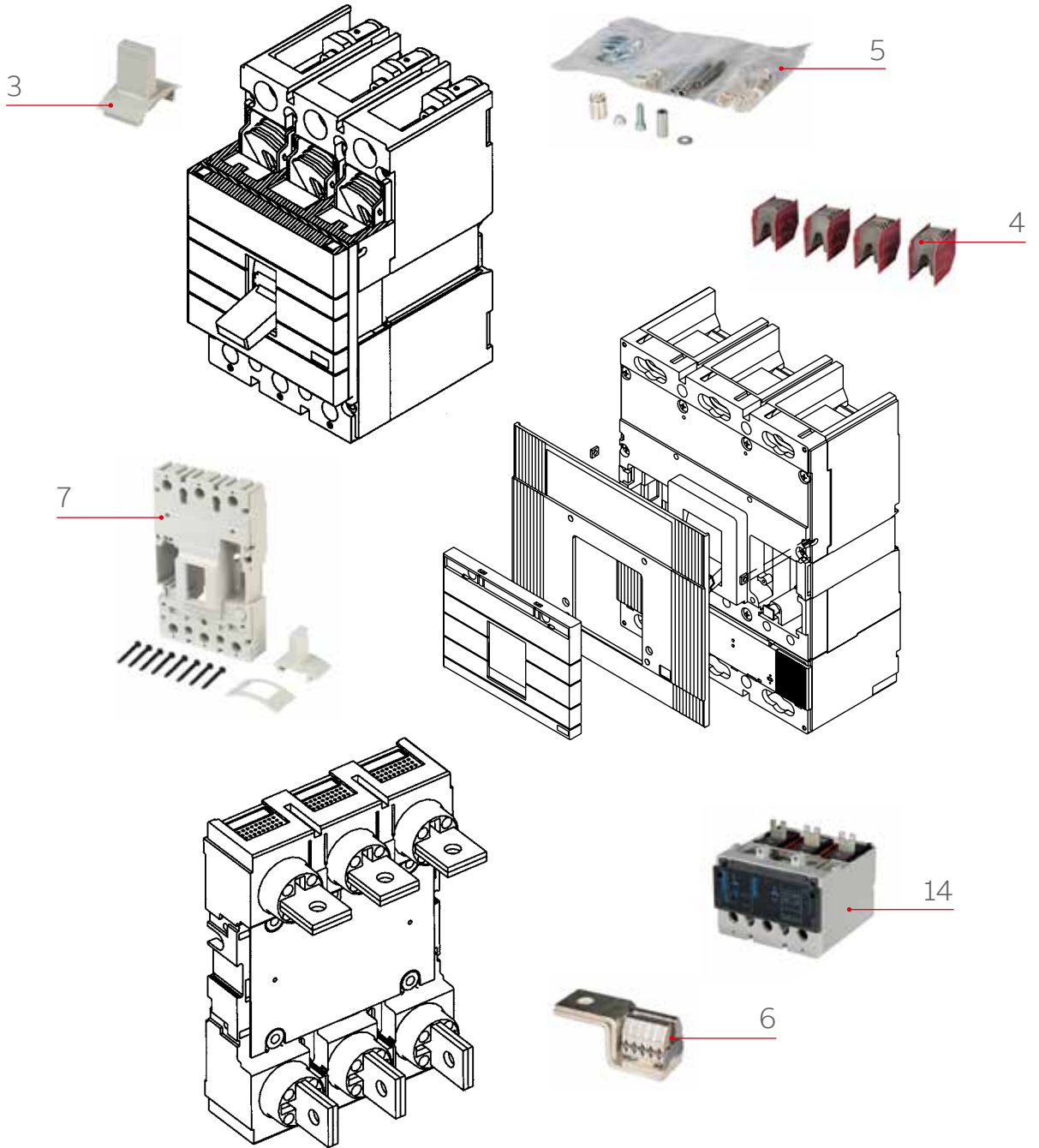
**11 - Sealeable screws for terminals covers**

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
T7	3p/4p	F; P	IEC	1SDA013699R1		1

Type A Spare part = only for ABB L3 technicians

# Circuit Breakers

## MCCB Spare Parts - Isomax S3, S4, S5, S6, S7



**1 - Solenoid for residual current release**

Size	Poles	Version	Code	Type spare	Min quantity
S3 - Rc 210/Rc 211/ Rc212	3p/4p	F; P; W	1SDA025562R1		1

**2 - Gasket for panel's door**

Size	Poles	Version	Code	Type spare	Min quantity
S3 - underplaced residual current release	3p/4p	F; P; W	1SDA020292R1		1
S3; S4; S5	3p/4p	F; P (MP)	1SDA013887R1		1
S3; S4; S5	3p/4p	W (MP)	1SDA013888R1		1
S6; S7 - Standard lever operated	3p/4p	F	1SDA014222R1		1
S6; S7 - Standard lever operated	3p/4p	W (MP)	1SDA014223R1		1
S6; S7 - equipped with frontal cover or THD	3p/4p	F; W	1SDA014224R1		1
S6; S7 - equipped with motor operator	3p/4p	F; W	1SDA014225R1		1
S6X - Standard lever	3p/4p	F	1SDA047631R1		1

**3 - Operating lever**



Size	Poles	Version	Code	Type spare	Min quantity
S3; S4; S5	3p/4p	F; P; W (MP)	1SDA025555R1		1
S6	3p/4p	F; W (MP)	1SDA025786R1		1
S7	3p/4p	F; W (MP)	1SDA025790R1		1

**4 - Arc Chambers kit (4 pcs)**



Size	Poles	Version	Code	Type spare	Min quantity
S3	3p/4p	F; P; W (MP)	1SDA025560R1		1
S4	3p/4p	F; P; W (MP)	1SDA025762R1		1
S5	3p/4p	F; P; W (MP)	1SDA025763R1		1
S6	3p/4p	F; W (MP)	1SDA025789R1		1
S7	3p/4p	F; W (MP)	1SDA025793R1		1

**5 - Tulip contacts set**



Size	Poles	Version	Code	Type spare	Min quantity
S3; S4	3p/4p	F; P; W (MP)	1SDA025561R1		1

**6 - No.8 jaw contacts fitted with terminals**



Size	Poles	Version	Code	Type spare	Min quantity
S6 - Front terminals	3p/4p	F; W (MP)	1SDA043508R1		1
S6 - HR terminals	3p/4p	F; W (MP)	1SDA043509R1		1
S6 - VR terminals	3p/4p	F; W (MP)	1SDA043510R1		1
S7 - Front terminals	3p/4p	F; W (MP)	1SDA043511R1		1
S7 - HR terminals	3p/4p	F; W (MP)	1SDA043512R1		1
S7 - VR terminals	3p/4p	F; W (MP)	1SDA043513R1		1

Type A Spare part = only for ABB L3 technicians  
 Limited availability - check availability before ordering

# Spare Parts for circuit-breakers

## MCCB Spare Parts - Isomax S3, S4, S5, S6, S7



### 7 - Front cover complete with operating lever

Size	Poles	Version	Code	Type spare	Min quantity
S3N, S3H	3p	F; P; W (MP)	1SDA043492R1		1
S3N, S3H	4p	F; P; W (MP)	1SDA043493R1		1
S3L	3p	F; P; W (MP)	1SDA043494R1		1
S3L	4p	F; P; W (MP)	1SDA043495R1		1
S4N; S4H	3p	F; P; W (MP)	1SDA043496R1		1
S4N; S4H	3p	F; P; W (MP)	1SDA043497R1		1
S4L	3p	F; P; W (MP)	1SDA043498R1		1
S4L	4p	F; P; W (MP)	1SDA043499R1		1
S5N; S5H	3p	F; P; W (MP)	1SDA043500R1		1
S5N; S5H	4p	F; P; W (MP)	1SDA043501R1		1
S5L	3p	F; P; W (MP)	1SDA043502R1		1
S5L	4p	F; P; W (MP)	1SDA043503R1		1
S6	3p	F; W (MP)	1SDA043504R1		1
S6	4p	F; W (MP)	1SDA043505R1		1
S7	3p	F; W (MP)	1SDA043506R1		1
S7	4p	F; W (MP)	1SDA043507R1		1

### 8 - Front cover

Size	Poles	Version	Code	Type spare	Min quantity
S3; S4; S5 - equipped with operating mechanism lever	3p/4p	W (MP)	1SDA013890R1		1

### 9 - Winding lever

Size	Poles	Version	Code	Type spare	Min quantity
S3; S4; S5; S6; S7	3p/4p	W	1SDA069213R1		1

### 10 - Fixing screws for fixed breaker

Size	Poles	Version	Code	Type spare	Min quantity
S3; S4; S5; S6; S7 - IEC	3p/4p	F	1SDA069214R1		1
S3; S4; S5; S6; S7 - UL	3p/4p	F	1SDA044398R1		1

### 11 - Siderail for fixed Part

Size	Poles	Version	Code	Type spare	Min quantity
S6	3p/4p	W(FP)	1SDA069215R1		1
S7	3p/4p	W(FP)	1SDA069218R1		1

### 12 - Motor's cover and charging lever

Size	Poles	Version	Code	Type spare	Min quantity
S6; S7	3p/4p	F; W (MP)	1SDA069217R1		1

### 13 - Kit block with screws

Size	Poles	Version	Code	Type spare	Min quantity
S5 - 630A	3p	F	1SDA052941R1		1
S5 - 630A	4p	F	1SDA052942R1		1

Type A Spare part = only for ABB L3 technicians  
Limited availability - check availability before ordering



**14- Trip Unit**

Size	Poles	Version	Code	Type spare	Min quantity
S4 - 160A PR212 R100 LSIG	3p	F; P; W (MP)	1SDA020303R1	A	1
S4 - 160A PR212 R100 LSIG	4p	F; P; W (MP)	1SDA020309R1	A	1
S4 - 160A PR212 R160 LSIG	3p	F; P; W (MP)	1SDA013676R1	A	1
S4 - 160A PR212 R160 LSIG	4p	F; P; W (MP)	1SDA013688R1	A	1
S4 - 250A PR212 R200 LSIG	3p	F; P; W (MP)	1SDA036262R1	A	1
S4 - 250A PR212 R200 LSIG	4p	F; P; W (MP)	1SDA036263R1	A	1
S4 - 250A PR212 R250 LSIG	3p	F; P; W (MP)	1SDA013677R1	A	1
S4 - 250A PR212 R250 LSIG	4p	F; P; W (MP)	1SDA013689R1	A	1
S5 - 400A PR212 R400 LSI	3p	F; P; W (MP)	1SDA013793R1	A	1
S5 - 400A PR212 R320 LSIG	3p	F; P; W (MP)	1SDA013798R1	A	1
S5 - 400A PR212 R320 LSI	4p	F; P; W (MP)	1SDA013804R1	A	1
S5 - 400A PR212 R320 LSIG	4p	F; P; W (MP)	1SDA013810R1	A	1
S5 - 400A PR212 R400 LSIG	4p	F; P; W (MP)	1SDA013811R1	A	1
S5 - 630A PR212 R630 LSIG	3p	F; P; W (MP)	1SDA020321R1	A	1
S5 - 630A PR212 R630 LSIG	4p	F; P; W (MP)	1SDA020327R1	A	1
S6 - 630A PR212 R630 LSIG	3p	F; W (MP)	1SDA014010R1	A	1
S6 - 630A PR212 R630 LSIG	4p	F; W (MP)	1SDA014022R1	A	1
S6 - 800A PR212 R800 LSIG	3p	F; W (MP)	1SDA014011R1	A	1
S6 - 800A PR212 R800 LSIG	4p	F; W (MP)	1SDA014023R1	A	1
S6X - 400A PR212 R320 LSIG	3p	F; W (MP)	1SDA047608R1	A	1
S6X - 400A PR212 R400 LSIG	3p	F; W (MP)	1SDA046545R1	A	1
S6X - 400A PR212 R320 LSIG	4p	F; W (MP)	1SDA047612R1	A	1
S6X - 400A PR212 R400 LSIG	4p	F; W (MP)	1SDA046549R1	A	1
S7 - 250A PR212 R1000 LSIG	3p	F; W (MP)	1SDA014158R1	A	1
S7 - 250A PR212 R1250 LSIG	3p	F; W (MP)	1SDA014159R1	A	1
S7 - 250A PR212 R1000 LSIG	4p	F; W (MP)	1SDA014176R1	A	1
S7 - 250A PR212 R1250 LSIG	4p	F; W (MP)	1SDA014177R1	A	1
S7 - 600A PR212 R1600 LSIG	3p	F; W (MP)	1SDA014160R1	A	1
S7 - 600A PR212 R1600 LSIG	4p	F; W (MP)	1SDA014178R1	A	1
S5 - S5 R320 Im=3200	3p	F; P; W (MP)	1SDA038760R1	A	1
S5 - S5 R400 Im=4000	3p	F; P; W (MP)	1SDA038758R1	A	1
S5 - S5 R320 Im=3200	4p	F; P; W (MP)	1SDA038759R1	A	1
S5 - S5 R400 Im=4000	4p	F; P; W (MP)	1SDA038757R1	A	1
S5 - S5 R320 Im=3200 N=100%	4p	F; P; W (MP)	1SDA048892R1	A	1
S5 - S5 R400 Im=4000 N=100%	4p	F; P; W (MP)	1SDA048891R1	A	1
S5 - S5 R500 Im=5000 N=100%	4p	F; P; W (MP)	1SDA048890R1	A	1
S5 - S5 R500 Im=5000	3p	F; P; W (MP)	1SDA038755R1	A	1
S5 - S5 R500 Im=5000	4p	F; P; W (MP)	1SDA038756R1	A	1
S6 - S6 R630 Im=6300	3p	F; W (MP)	1SDA038953R1	A	1
S6 - S6 R630 Im=6300	4p	F; W (MP)	1SDA038954R1	A	1
S6 - S6 R630 Im=6300 N=100%	4p	F; W (MP)	1SDA048889R1	A	1
S6 - S6 R800 Im=8000	3p	F; W (MP)	1SDA038956R1	A	1
S6 - S6 R800 Im=8000	4p	F; W (MP)	1SDA038955R1	A	1
S6 - S6 R800 Im=8000 N=100%	4p	F; W (MP)	1SDA048888R1	A	1

Type A Spare part = only for ABB L3 technicians  
 Limited availability - check availability before ordering

# Circuit Breakers

## MCCB Spare Parts - Isomax S3, S4, S5, S6, S7



### 15 - Shunt Opening Release SOR

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
S3; S4; S5 - 12VDC	3p; 4p	IEC	F/P/W	1SDA023403R1		1
S3; S4; S5 - 24V	3p; 4p	IEC	F/P/W	1SDA013781R1		1
S3; S4; S5 - 48V	3p; 4p	IEC	F/P/W	1SDA013782R1		1
S3; S4; S5 - 60V	3p; 4p	IEC	F/P/W	1SDA023405R1		1
S3; S4; S5 - 110V	3p; 4p	IEC	F/P/W	1SDA013783R1		1
S3; S4; S5 - 220/230V	3p; 4p	IEC	F/P/W	1SDA013785R1		1
S3; S4; S5 - 380/400VAC	3p; 4p	IEC	F/P/W	1SDA013786R1		1
S3; S4; S5 - 480V 60 HZ	3p; 4p	IEC	F/P/W	1SDA037512R1		1
S3; S4; S5 - 37,5VDC	3p; 4p	IEC	F/P/W	1SDA050167R1		1
S6; S7 - 24V	3p; 4p	IEC	F/W	1SDA014136R1		1
S6; S7 - 48V	3p; 4p	IEC	F/W	1SDA014137R1		1
S6; S7 - 380/400VAC	3p; 4p	IEC	F/W	1SDA014141R1		1
S6; S7 - 60V	3p; 4p	IEC	F/W	1SDA023406R1		1
S6; S7 - 220/230V	3p; 4p	IEC	F/W	1SDA014140R1		1
S6; S7 - 480V 60 HZ	3p; 4p	IEC	F/W	1SDA037514R1		1



### 16 - Undervoltage Release UVR

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
S3; S4; S5 - 24VAC	3p; 4p	IEC	F/P/W	1SDA013842R1		1
S3; S4; S5 - 110/127VAC	3p; 4p	IEC	F/P/W	1SDA013844R1		1
S3; S4; S5 - 220/250VAC	3p; 4p	IEC	F/P/W	1SDA013846R1		1
S3; S4; S5 - 380/440VAC	3p; 4p	IEC	F/P/W	1SDA013847R1		1
S3; S4; S5 - 24VDC	3p; 4p	IEC	F/P/W	1SDA013833R1		1
S3; S4; S5 - 48VDC	3p; 4p	IEC	F/P/W	1SDA013835R1		1
S3; S4; S5 - 110/125VDC	3p; 4p	IEC	F/P/W	1SDA013838R1		1
S3; S4; S5 - 220/250VDC	3p; 4p	IEC	F/P/W	1SDA013839R1		1
S6; S7 - 24VAC	3p; 4p	IEC	F/W	1SDA014188R1		1
S6; S7 - 48VAC	3p; 4p	IEC	F/W	1SDA014189R1		1
S6; S7 - 110/127VAC	3p; 4p	IEC	F/W	1SDA014190R1		1
S6; S7 - 220/250VAC	3p; 4p	IEC	F/W	1SDA014192R1		1
S6; S7 - 380/440VAC	3p; 4p	IEC	F/W	1SDA014193R1		1
S6; S7 - 480V AC	3p; 4p	IEC	F/W	1SDA037515R1		1
S6; S7 - 24VDC	3p; 4p	IEC	F/W	1SDA014179R1		1
S6; S7 - 48VDC	3p; 4p	IEC	F/W	1SDA014181R1		1
S6; S7 - 60VDC	3p; 4p	IEC	F/W	1SDA014182R1		1
S6; S7 - 110/125VDC	3p; 4p	IEC	F/W	1SDA014184R1		1
S6; S7 - 220/250VDC	3p; 4p	IEC	F/W	1SDA014185R1		1



### 17 - UVR + TIME-LAG DEVICE

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
S3; S4; S5 - UVR + TIME-LAG DEVICE 110-220V AC	3p; 4p	IEC	F/P/W	1SDA013840R1		1
S6; S7 - UVR + TIME-LAG DEVICE 110-220V AC	3p; 4p	IEC	F/P/W	1SDA014186R1		1





**18 - CONNECTOR SOR-UVR**

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
S3; S4; S5; S6 - L=1m	3p; 4p	IEC	F	1SDA013865R1		1
S3; S4; S5; S6 - L=2m	3p; 4p	IEC	F	1SDA037523R1		1
S3; S4; S5; S6 - L=1m	3p; 4p	IEC	P/W	1SDA013866R1		1
S3; S4; S5; S6 - L=2m	3p; 4p	IEC	P/W	1SDA050858R1		1
S3; S4; S5; S6; S7 - EXTENSION	3p; 4p	IEC	P/W	1SDA025552R1		1
S7 - L=1m	3p; 4p	IEC	F	1SDA014209R1		1
S7 - L=2m	3p; 4p	IEC	F	1SDA044752R1		1
S7 - L= 1m	3p; 4p	IEC	W	1SDA014210R1		1
S7 - L=2m	3p; 4p	IEC	W	1SDA048949R1		1

1



**19 - AUX**

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
S3; S4; S5 - 2 CHANGEOVER CONT. A/C	3p; 4p	IEC		1SDA013856R1		1
S3; S4; S5 - 1 CHANGEOVER CONT. A/C+1 RT	3p; 4p	IEC		1SDA013575R1		1
S6; S7 - 2 CHANGEOVER CONT. A/C	3p; 4p	IEC		1SDA023366R1		1
S6; S7 - 1 CHANGEOVER CONT. A/C+1 RT	3p; 4p	IEC		1SDA023332R1		1
S6; S7 - 1 C.O.CONT. O/1 C.O.CONT.C+1 CH.RT	3p; 4p	IEC		1SDA025773R1		1
S6; S7 - 1 C.O.CONT. O/1 C.O.CONT.C+1 OP.RT	3p; 4p	IEC		1SDA048956R1		1

**20 - AUX for digital signals**

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
S3; S4; S5 - 2 C.O.CONTACT O/C (DIGIT.SIGN.)	3p; 4p	IEC		1SDA025544R1		1
S3; S4; S5 - 1 C.O.CONT. O/C+1 RT (DIGIT.SIGN.)	3p; 4p	IEC		1SDA025545R1		1

**21- Early making contacts for connectors**

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
S3; S4; S5; S6 - CONTACT EARLY	3p; 4p	IEC	F	1SDA025551R1		1
S3; S4; S5; S6; S7 - 1 C.O.CONT.RACKED OUT (DIG.SIGN.)	3p; 4p	IEC	F	1SDA025546R1		1
S3; S4; S5; S6; S7 - 1 C.O.CONT.RACKED IN (DIGIT.SIGN.)	3p; 4p	IEC	P/W	1SDA025547R1		1



**22 - CONNECTOR CONTACTS AUX.**

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
S3; S4; S5	3p; 4p	IEC	F	1SDA013863R1		1
S3; S4; S5; S6	3p; 4p	IEC	F	1SDA037522R1		1
S3; S4; S5; S6 - L=1m	3p; 4p	IEC	P/W	1SDA013864R1		1
S3; S4; S5; S6 - L=2m	3p; 4p	IEC	P/W	1SDA050847R1		1
S3; S4; S5; S6; S7 - EXTENSION CONTACTS AUX.	3p; 4p	IEC		1SDA025553R1		1
S3; S4; S5; S6 - L=1m	3p; 4p	UL	F	1SDA037517R1		1
S7 - L=1m	3p; 4p	IEC	F	1SDA014207R1		1
S7 - L=2m	3p; 4p	IEC	F	1SDA044751R1		1
S7 - L=1m	3p; 4p	IEC	W	1SDA014208R1		1
S7 - L=2m	3p; 4p	IEC	W	1SDA048947R1		1

# Circuit Breakers

## MCCB Spare Parts - Isomax S3, S4, S5, S6, S7



### 23 - Direct action motor operating mechanism

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
S3; S4; S5 - 24V DC	3p; 4p	IEC		1SDA013873R1		1
S3; S4; S5 - 48/60V DC	3p; 4p	IEC		1SDA013874R1		1
S3; S4; S5 - 100/125V	3p; 4p	IEC		1SDA013875R1		1
S3; S4; S5 - 200/250V	3p; 4p	IEC		1SDA013876R1		1



### 24 - Stored energy motor operating mechanism

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
S6 - 24V DC	3p; 4p	IEC	F/W	1SDA014029R1		1
S6 - 48V DC	3p; 4p	IEC	F/W	1SDA014030R1		1
S6 - 110V AC/DC	3p; 4p	IEC	F/W	1SDA023349R1		1
S6 - 120...127V AC/DC	3p; 4p	IEC	F/W	1SDA014031R1		1
S6 - 220...250V AC/DC	3p; 4p	IEC	F/W	1SDA014032R1		1
S7 - 24V DC	3p; 4p	IEC	F/W	1SDA014214R1		1
S7 - 48V DC	3p; 4p	IEC	F/W	1SDA014215R1		1
S7 - 60V DC	3p; 4p	IEC	F/W	1SDA023350R1		1
S7 - 110V AC/DC	3p; 4p	IEC	F/W	1SDA023351R1		1
S7 - 120...127V AC/DC	3p; 4p	IEC	F/W	1SDA014216R1		1
S7 - 220...250V AC/DC	3p; 4p	IEC	F/W	1SDA014217R1		1
S7 - 380V AC	3p; 4p	IEC	F/W	1SDA014218R1		1



### 25 - Connectors for motor operating mechanism and auxiliary contacts

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
S3; S4; S5; S6 - L=1m	3p; 4p	IEC	F	1SDA013857R1		1
S3; S4; S5; S6 - L=2m	3p; 4p	IEC	F	1SDA037524R1		1
S3; S4; S5; S6 - L=1m	3p; 4p	IEC	P/W	1SDA013858R1		1
S3; S4; S5; S6; S7 - EXTENSION MOTOR S3..S7	3p; 4p	IEC		1SDA025554R1		1
S7 - L=1m	3p; 4p	IEC	F	1SDA014203R1		1
S7 - L=2m	3p; 4p	IEC	F	1SDA044850R1		1
S7 - L=1m	3p; 4p	IEC	W	1SDA014204R1		1
S7 - L=2m	3p; 4p	IEC	W	1SDA048950R1		1



### 26 - Direct-mounted rotary handle operating mechanism RHD

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
S3; S4; S5; Ts3	3p; 4p	IEC	F/P	1SDA013867R1		1
S3; S4; S5; Ts3	3p; 4p	IEC	W	1SDA013868R1		1
S6	3p; 4p	IEC	F	1SDA014026R1		1
S6	3p; 4p	IEC	W	1SDA014027R1		1
S6 - Emergency	3p; 4p	IEC	F	1SDA046568R1		1
S7	3p; 4p	IEC	F	1SDA014211R1		1
S7	3p; 4p	IEC	W	1SDA014212R1		1
S7 - Emergency	3p; 4p	IEC	F	1SDA046570R1		1



**27 - Rotary handle operating mechanism with transmission rod**

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
S3; S4; S5; Ts3 - DIST.ADJ.	3p; 4p	IEC	F/P	1SDA013869R1		
S3; S4; S5; Ts3 - DIST. ADJ.	3p; 4p	IEC	W	1SDA050714R1		
S3; S4; S5 - EMERG. DIST.ADJ.	3p; 4p	IEC	F/P	1SDA013871R1		
S3; S4; S5 - ROD DIST.ADJ. 500MM	3p; 4p	IEC		1SDA025427R1		
S6 - DIST.ADJ.	3p; 4p	IEC	F	1SDA014028R1		
S6 - DIST. ADJ.	3p; 4p	IEC	W	1SDA050715R1		
S6 - EMERG. DIST.ADJ.	3p; 4p	IEC	F	1SDA046569R1		
S7 - DIST. ADJ.	3p; 4p	IEC	F	1SDA014213R1		
S7 - DIST. ADJ.	3p; 4p	IEC	W	1SDA050716R1		
S7 - EMERG. DIST.ADJ.	3p; 4p	IEC	F	1SDA046572R1		



**28 - Front Flange**

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
S6 - LEVER	3p; 4p	IEC	F	1SDA014035R1		
S6 - OPERATING MECHANISM LEVER	3p; 4p	IEC	W	1SDA014036R1		
S7 - LEVER	3p; 4p	IEC	F	1SDA014227R1		
S7 - OPERATING MECHANISM LEVER	3p; 4p	IEC		1SDA014228R1		



**29 - Key lock for open position**

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
S3; S4; S5 - KEY LOCK MOTOR	3p; 4p	IEC		1SDA013883R1		
S3; S4; S5; S6; S7 - KEY LOCK FRONT/ROT. HANDLE 1	3p; 4p	IEC		1SDA013881R1		
S3; S4; S5; S6; S7 - KEY LOCK FRONT/ROT. HANDLE 2	3p; 4p	IEC		1SDA013882R1		
S6; S7 - KEY LOCK MOTOR 1	3p; 4p	IEC		1SDA013885R1		
S6; S7 - KEY LOCK MOTOR 2	3p; 4p	IEC		1SDA013886R1		
S6; S7 - KEY LOCK MOTOR OPERATION MANUAL	3p; 4p	IEC		1SDA036245R1		



**30 - Locks**

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
S3; S4; S5; S6; S7 - COMPARTMENT DOOR LOCK FOR FRONT FLANGE /ROTARY HANDLE	3p; 4p	IEC		1SDA013880R1		



**31 - Mechanical interlock between two circuit-breakers**

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
S3 - SIDE BY SIDE	3p; 4p	IEC		1SDA023330R1		
S3; S4; S5; S6; S7 - C.BREA/FIX.P INTERL.WITH ITEM INDICATED	3p; 4p	IEC		1SDA050093R1		
S6 - HR	3p; 4p	IEC		1SDA060685R1		
S6 - VR	3p; 4p	IEC		1SDA060686R1		
S7 - SIDE BY SIDE	3p; 4p	IEC		1SDA014205R1		
S7 - SUPERIMPOSED	3p; 4p	IEC		1SDA014206R1		

# Circuit Breakers

## MCCB Spare Parts - Isomax S3, S4, S5, S6, S7



### 32 - Connection terminals

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
<b>EF= Extended front terminals</b>						
S3; S4 - EF - 3 pcs	3p	IEC		1SDA023353R1		
S5 400 - EF - 3 pcs	3p	IEC		1SDA023367R1		
S7 - EF - 3 pcs	3p	IEC		1SDA023399R1		
S3; S4 - EF - 4pcs	4p	IEC		1SDA023359R1		
S5 400 - EF - 4pcs	4p	IEC		1SDA023373R1		
S7 - EF - 4pcs	4p	IEC		1SDA023396R1		
S3; S4 - EF - 6pcs	3p	IEC		1SDA013596R1		
S5 400 - EF - 6pcs	3p	IEC		1SDA013706R1		
S7 - EF - 6pcs	3p	IEC		1SDA014079R1		
S3; S4 - EF - 8 pcs	4p	IEC		1SDA013597R1		
S5 400 - EF - 8 pcs	4p	IEC		1SDA013707R1		
S7 - EF - 8 pcs	4p	IEC		1SDA014080R1		
<b>ES= Spreaded extended front terminals</b>						
S3; S4 - ES - 3pcs	3p	IEC		1SDA046517R1		
S5 - ES - 3pcs	3p	IEC		1SDA047551R1		
S7 (1/2 upper termianals kit) - ES - 3pcs	3p	IEC		1SDA050694R1		
S7 (1/2 lower termianals kit) - ES - 3pcs	3p	IEC		1SDA050705R1		
S3; S4 - ES - 4pcs	4p	IEC		1SDA046518R1		
S5 - ES - 4pcs	4p	IEC		1SDA047552R1		
S3; S4 - ES - 6pcs	3p	IEC		1SDA046515R1		
S5 - ES - 6pcs	3p	IEC		1SDA047549R1		
S3; S4 - ES - 8 pcs	4p	IEC		1SDA046516R1		
S5 - ES - 8 pcs	4p	IEC		1SDA047550R1		
S7 - ES - 4pcs	4p	IEC		1SDA050695R1		
S7 - ES - 6pcs	3p	IEC		1SDA050690R1		
S7 - ES - 8 pcs	4p	IEC		1SDA050691R1		
<b>FC Cu= Front terminals for copper cables</b>						
S3; S4 - FC Cu - 3pcs	3p	IEC		1SDA023354R1		
S5 400 - FC Cu - 3pcs	3p	IEC		1SDA023368R1		
S3; S4 - FC Cu - 4pcs	4p	IEC		1SDA023360R1		
S5 400 - FC Cu - 4pcs	4p	IEC		1SDA023374R1		
S3; S4 - FC Cu - 6pcs	3p	IEC		1SDA013598R1		
S5 400 - FC Cu - 6pcs	3p	IEC		1SDA013708R1		
S3; S4 - FC Cu - 8 pcs	4p	IEC		1SDA013599R1		
S5 400 - FC Cu - 8 pcs	4p	IEC		1SDA013709R1		
<b>FC CuAl= Front terminals for copper/alluminium cables</b>						
S3D 100 - FC CuAl - 3pcs	3p	IEC		1SDA023355R1		
S3 160-S4 160 (1x95mm <sup>2</sup> ) - FC CuAl - 3pcs	3p	IEC		1SDA023356R1		
S3 250-S4 250 (1x150mm <sup>2</sup> ) - FC CuAl - 3pcs	3p	IEC		1SDA023357R1		
S5 400 (2x120mm <sup>2</sup> ) - FC CuAl - 3pcs	3p	IEC		1SDA025766R1		
S5 400 (1x240mm <sup>2</sup> ) - FC CuAl - 3pcs	3p	IEC		1SDA023370R1		
S7 1250 (4x240mm <sup>2</sup> ) - FC CuAl - 3pcs	3p	IEC		1SDA023387R1		
S3D 100 - FC CuAl - 4pcs	4p	IEC		1SDA023361R1		
S3 160-S4 160 (1x95mm <sup>2</sup> ) - FC CuAl - 4pcs	4p	IEC		1SDA023362R1		
S3 250-S4 250 (1x150mm <sup>2</sup> ) - FC CuAl - 4pcs	4p	IEC		1SDA023363R1		
S5 400 (2x120mm <sup>2</sup> ) - FC CuAl - 4pcs	4p	IEC		1SDA025765R1		
S7 1250 (4x240mm <sup>2</sup> ) - FC CuAl - 4pcs	4p	IEC		1SDA023397R1		
S3D 100 - FC CuAl - 6pcs	3p	IEC		1SDA013600R1		



Limited availability - check availability before ordering

**32 - Connection terminals**

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
<b>FC CuAl= Front terminals for copper/alluminium cables</b>						
S3 160-S4 160 (1x95mm <sup>2</sup> ) - FC CuAl - 6pcs	3p	IEC		1SDA013602R1		
S3 250-S4 250 (1x150mm <sup>2</sup> ) - FC CuAl - 6pcs	3p	IEC		1SDA020293R1		
S5 400 (1x240mm <sup>2</sup> ) - FC CuAl - 6pcs	3p	IEC		1SDA013710R1		
S7 1250 (4x240mm <sup>2</sup> ) - FC CuAl - 6pcs	3p	IEC		1SDA014081R1		
S3 250-S4 250 (1x150mm <sup>2</sup> ) - FC CuAl - 8 pcs	4p	IEC		1SDA020294R1		
S5 400 (1x240mm <sup>2</sup> ) - FC CuAl - 8 pcs	4p	IEC		1SDA013711R1		
S7 1250 (4x240mm <sup>2</sup> ) - FC CuAl - 8 pcs	4p	IEC		1SDA014082R1		
<b>R= Threaded rear terminals</b>						
S3; S4 - R - 3pcs	3p	IEC		1SDA023352R1		
S5 400 - R - 3pcs	3p	IEC		1SDA023372R1		
S6 - R - 3pcs	3p	IEC		1SDA023382R1		
S3; S4 - R - 4pcs	4p	IEC		1SDA023365R1		
S5 400 - R - 4pcs	4p	IEC		1SDA023378R1		
S6 - R - 4pcs	4p	IEC		1SDA023392R1		
S3; S4 - R - 6pcs	3p	IEC		1SDA013606R1		
S5 400 - R - 6pcs	3p	IEC		1SDA013714R1		
S6 - R - 6pcs	3p	IEC		1SDA013960R1		
S3; S4 - R - 8 pcs	4p	IEC		1SDA013607R1		
S5 400 - R - 8 pcs	4p	IEC		1SDA013715R1		
S6 - R - 8 pcs	4p	IEC		1SDA013961R1		
<b>HR/VR=Horizontal or Vertical flat-bar rear terminals</b>						
S7 - HR/VR - 3pcs	3p	IEC		1SDA023400R1		
S7 - HR/VR - 4pcs	4p	IEC		1SDA023398R1		
S7 - HR/VR - 6pcs	3p	IEC		1SDA014083R1		
S7 - HR/VR - 8 pcs	4p	IEC		1SDA014084R1		
<b>RC= Rear terminals for copper/alluminum cables</b>						
S3; S4 (1x120 mm <sup>2</sup> ) - RC - 6pcs	3p	IEC		1SDA013604R1		



# Circuit Breakers

## MCCB Spare Parts - Isomax S3, S4, S5, S6, S7



### 33 - Insulating Terminal Covers

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
S3; S4 - Low Terminal Covers	3p	IEC	F; MP (P); MP (W)	1SDA013693R1		1
S3; S4 - Low Terminal Covers	4p	IEC	F; MP (P); MP (W)	1SDA013694R1		1
S5 400- Low Terminal Covers	3p	IEC	F; MP (P); MP (W)	1SDA013895R1		1
S5 400- Low Terminal Covers	4p	IEC	F; MP (P); MP (W)	1SDA013896R1		1
S7 - Low Terminal Covers	3p	IEC	F; MP (W)	1SDA023324R1		1
S7 - Low Terminal Covers	4p	IEC	F; MP (W)	1SDA023325R1		1
S3; S4 - High Terminal Covers	3p	IEC	F	1SDA013695R1		1
S3; S4 - High Terminal Covers	4p	IEC	F	1SDA013696R1		1
S5 400 - High Terminal Covers	3p	IEC	F	1SDA013897R1		1
S5 400 - High Terminal Covers	4p	IEC	F	1SDA013898R1		1



### 34 - External current transformer for neutral conductor

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
S6 630	3p	IEC		1SDA025777R1		1
S6 800	3p	IEC		1SDA025778R1		1
S7 1000	3p	IEC		1SDA025779R1		1
S7 1250	3p	IEC		1SDA025780R1		1
S7 1600	3p	IEC		1SDA025781R1		1



### 35 - CONNECTORS for Tripped trip unit

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
S4; S5 - PR211-PR212	3p; 4p	IEC	F	1SDA013702R1		1
S4; S5 - PR211-PR212	3p; 4p	IEC	P	1SDA013703R1		1
S4; S5; S6; S7 - PR212LSIG	3p; 4p	IEC	F	1SDA013704R1		1
S4; S5; S6; S7 - PR212LSIG	3p; 4p	IEC	P/W	1SDA013705R1		1

### 36 - Test Unit SACE TT1

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
S4...S7	3p; 4p	IEC	F/PW	1SDA037121R1		1



### 37 - PR212/DM MODBUS

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
S4; S5; S6; S7 - X PR212/P				1SDA050718R1		1

### 38 - Conversion kit from fixed to moving part of Plug-in circuit breaker

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
S3-S4	3p	IEC	F	1SDA013608R1		1
S3X	3p	IEC	F	1SDA046519R1		1
S5 400	3p	IEC	F	1SDA013716R1		1
S3-S4	4p	IEC	F	1SDA013609R1		1
S5 400	4p	IEC	F	1SDA013717R1		1





**39 - Conversion kit from fixed to moving part of withdrawable circuit breaker**

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
S3; S4	3p	IEC	F	1SDA013610R1		1
S3; S4	4p	IEC	F	1SDA013611R1		1
S3X	3p	IEC	F	1SDA046521R1		1
S5 400	3p	IEC	F	1SDA013718R1		1
S5 630	3p	IEC	F	1SDA038778R1		1
S6 630/800	3p	IEC	F	1SDA013962R1		1
S6X	3p	IEC	F	1SDA047619R1		1
S7	3p	IEC	F	1SDA023299R1		1
S5 400	4p	IEC	F	1SDA013719R1		1
S5 630	4p	IEC	F	1SDA038779R1		1
S6 630/800	4p	IEC	F	1SDA013963R1		1
S7	4p	IEC	F	1SDA014087R1		1



**40 - Terminals for the fixed part of Plug-in or withdrawable circuit breaker**

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
S7 - EF (extended front terminals)	3p	IEC	W(FP); P(FP)	1SDA014108R1		1
S7 - EF (extended front terminals)	4p	IEC	W(FP); P(FP)	1SDA014109R1		1
S7 - HR (Horizontal flat-bar rear terminals)	3p	IEC	W(FP); P(FP)	1SDA014110R1		1
S7 - HR (Horizontal flat-bar rear terminals)	4p	IEC	W(FP); P(FP)	1SDA014111R1		1
S7 - VR (Vertical flat-bar rear terminals)	3p	IEC	W(FP); P(FP)	1SDA014112R1		1
S7 - VR (Vertical flat-bar rear terminals)	4p	IEC	W(FP); P(FP)	1SDA014113R1		1



**41 - Position contacts**

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
S3; S4; S5; S6; S7 - Racking out	3p; 4p	IEC	W	1SDA013859R1		1
S3; S4; S5; S6; S7 - Racking out for digital signals	3p; 4p	IEC	W	1SDA025546R1		1
S3; S4; S5; S6; S7 - Racking in	3p; 4p	IEC	W	1SDA013860R1		1
S3; S4; S5; S6; S7 - Racking in for digital signals	3p; 4p	IEC	W	1SDA025547R1		1



**42 - Lock for fixed part of withdrawable circuit breaker**

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
S3; S4; S5; S6; S7 - Key lock for locking in racking in/out position - different key for each CB	3p; 4p	IEC	W(FP)	1SDA025434R1		1
S3; S4; S5; S6; S7 - padlock device	3p; 4p	IEC	W(FP)	1SDA013872R1		1



**43 - Bracket for mounting on DIN rail**

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
S3 - DIN EN 50023 (complete with DIN front flange H=45 mm)	3p	IEC		1SDA013576R1		1



# Circuit Breakers

## MCCB Spare Parts - Isomax S3, S4, S5, S6, S7

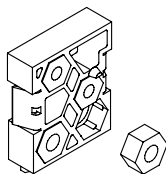
### 44 - IP54 protection

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
S3; S4; S5; S6; S7 - for adjustable-depth rotary handle operating mechanism on door	3p; 4p	IEC		1SDA013891R1		1

### 45 - Residual-current release

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
S3 - RC212/3 - Side by side	3p; 4p	IEC		1SDA020290R1		1

### 46 - KIT BLOCK WITH SCREWS



Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
S3	3p	IEC		1SDA043341R1		1
S3	4p	IEC		1SDA043342R1		1
S4	3p	IEC		1SDA043461R1		1
S4	4p	IEC		1SDA043462R1		1
S5 400	3p	IEC		1SDA043464R1		1
S5 400	4p	IEC		1SDA043465R1		1
S5 630	3p	IEC		1SDA052941R1		1
S5 630	4p	IEC		1SDA052942R1		1
S7	3p	IEC		1SDA044750R1		1
S7	4p	IEC		1SDA047791R1		1

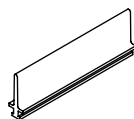
### 47 - Flange

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
S3 - Residual current below	4p	IEC	F/W/P	1SDA020292R1		1
S3; S4; S5 - Operating mechanism lever	3p; 4p	IEC	F/P	1SDA013887R1		1
S3; S4; S5 - Operating mechanism lever	3p; 4p	IEC	W	1SDA013888R1		1
S6X - Operating mechanism lever	3p; 4p	IEC	F	1SDA047631R1		1
S6; S7 - Operating mechanism lever	3p; 4p	IEC	F	1SDA014222R1		1
S6; S7 - Operating mechanism lever	3p; 4p	IEC	W	1SDA014223R1		1
S6; S7 - Frontal/ Rotary handle	3p; 4p	IEC	F	1SDA014224R1		1
S6; S7 - Motor	3p; 4p	IEC	F/W	1SDA014225R1		1

### 48 - Handle for MNS

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
S6; S7 - short extension	3p; 4p	IEC		1SDA052926R1		1
S3; S4; S5 - RHE without shaft	3p; 4p	IEC		1SDA048071R1		1
S6 - RHE without shaft	3p; 4p	IEC		1SDA048072R1		1
S7	3p; 4p	IEC		1SDA024721R1		1
S7 - RHE without shaft	3p; 4p	IEC		1SDA048073R1		1

### 49 - Phase separator



Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
S3; S4; S5	3p	IEC		1SDA052036R1	active	1

### 50 - Sealable screws for terminals covers

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
S3...S7	3p; 4p	IEC	F/P	1SDA013699R1		1

# Circuit Breakers

## Consumables and Service tools



### Greasing kit

Size	Code	Type spare	min quantity for a complete CB
Complete range of Air circuit-breakers	1SDA076082R1		1

### Lubricating greases for operating mechanism

Size	Code	Type spare	min quantity for a complete CB
(1Kg, MobilTemp SHC32) Complete range of air circuit-breakers	1SDA069805R1		1

### Tool case complete with spanners and template

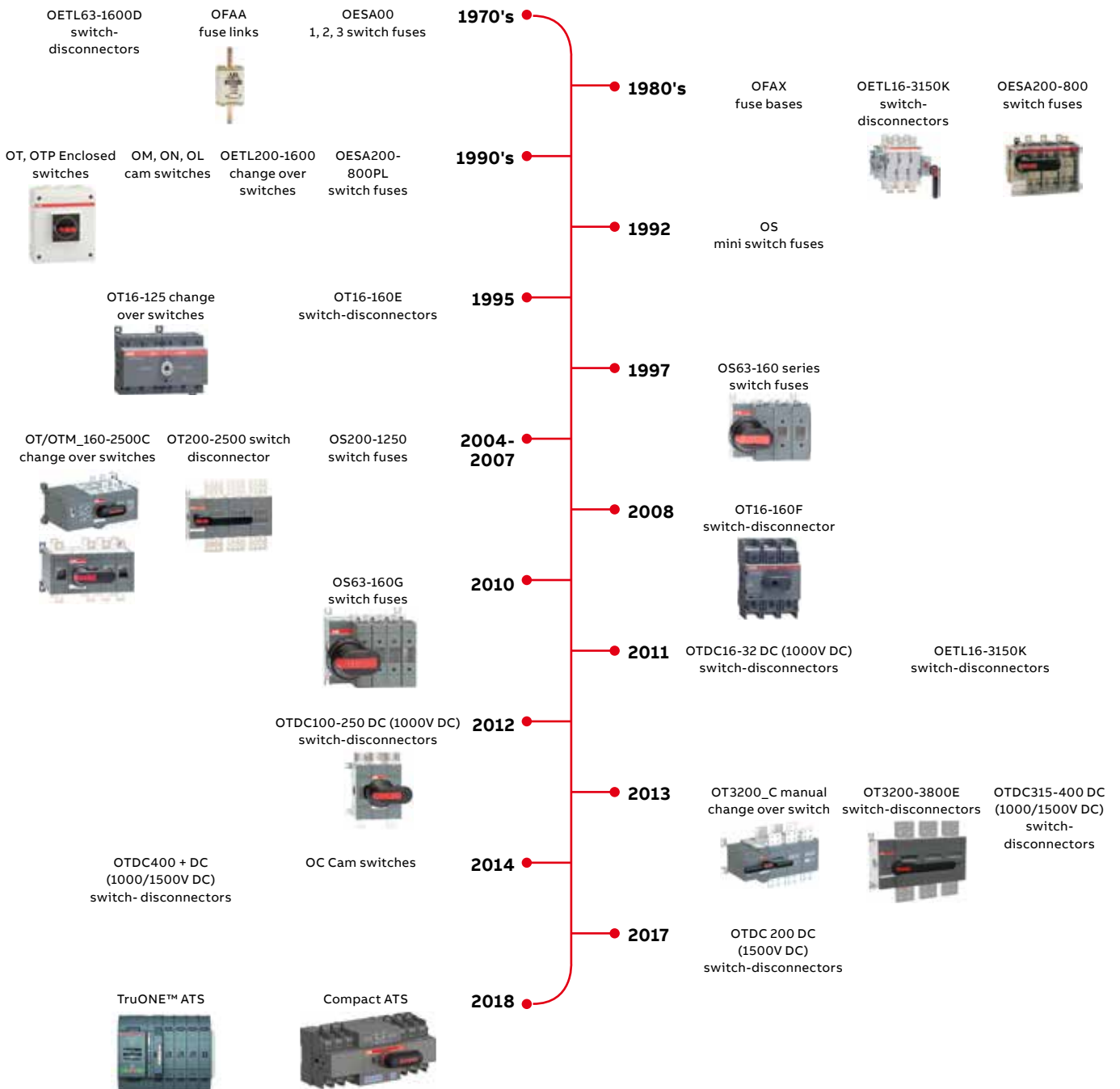
Size	Code	Type spare	min quantity for a complete CB
E1...E6	1SDA038359R1	A	1

# Switches

Providing spare parts for our products guarantees that our customers will be able to minimize unwanted down-time of their processes.

ABB has a wide range of low voltage switches with ratings between 16 and 4000 Amperes. ABBs offering includes diverse fusible and non-fusible solutions suitable for numerous applications that can be operated manually, remotely or automatically.

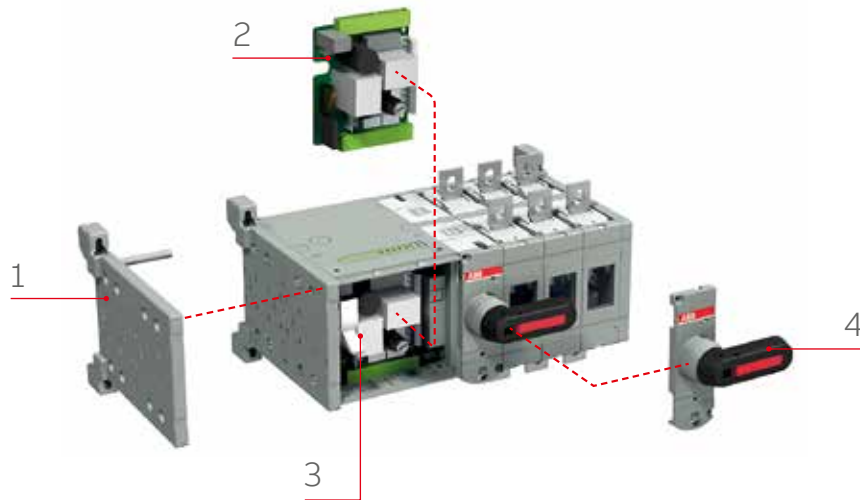
In particular, our portfolio includes switch-disconnectors, switch fuses, change over and transfer switches, enclosed switches and cam switches. ABB have launched the first low voltage switch in 1970 and today offers spare parts suitable for the latest version of motorized change over switches.



# Switches

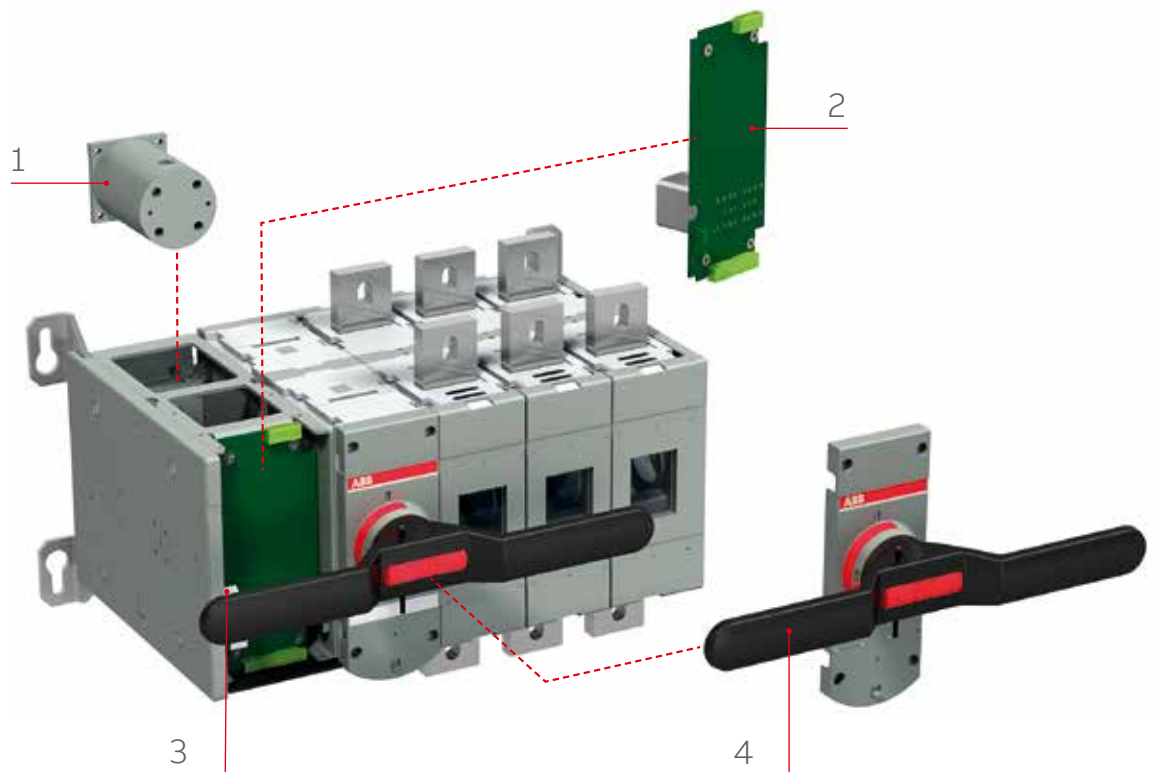
## Motorized change-over Switches

OTM160...800\_C\_



- Note:
- 1. End plate
  - 2. Printed circuit board (PCB)
  - 3. Manual/motor selector switch
  - 4. Direct mounted handle

OTM1000...2500\_C\_



- Note:
- 1. Motor
  - 2. Printed circuit board (PCB)
  - 3. Manual/motor selector switch
  - 4. Direct mounted handle

# Switches

## Motorized change-over Switches



— OME1...3PB



— OME4PB



— OMEM



— OTMXP3



— OTV



— OT

### Printed Circuit Board (PCB)

Suitable for switches	Type	Code	Units/type [pcs]
OTM160...250E_CM230C	OME1PB-250	1SCA113420R1001	1
OTM315...400E_CM230C	OME2PB-250	1SCA113421R1001	1
OTM630...800E_CM230C	OME3PB-250	1SCA113422R1001	1
OTM1000...2500E_CM230C	OME4PB-250	1SCA120152R1001	1
OTM160...250E_CM110V	OME1PB-250	1SCA113420R1001	1
OTM315...400E_CM110V	OME2PB-250	1SCA113421R1001	1
OTM630...800E_CM110V	OME3PB-250	1SCA113422R1001	1
OTM1000...2500E_CM110V	OME4PB-250	1SCA120152R1001	1

### Motor

Suitable for switches	Type	Code	Units/type [pcs]
OTM1000..2500	OMEM4M/250VDC	1SCA121246R1001	1

### Manual/Motor selector switch

Suitable for switches	Type	Code	Units/type [pcs]
OTM160..2500	OTMXP3	1SCA124523R1001	1

### Direct mounted handle

Suitable for switches	Type	Code	Units/type [pcs]
OTM160..250_C	OTV250ECMK	1SCA022804R0570	1
OTM315..400_C	OTV400ECMK	1SCA022843R2900	1
OTM630..800_C	OTV800ECMK	1SCA022804R3410	1
OTM1000..2500_C	OTV1000ECMK	1SCA111301R1001	1

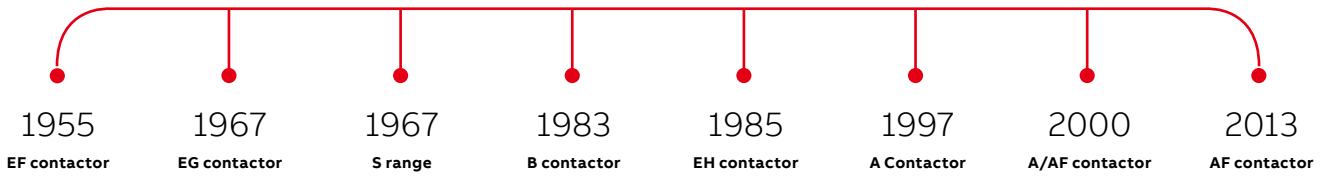
### Side plate

Suitable for switches	Type	Code	Units/type [pcs]
OTM160..250_C	OTMXP001	1SCA121366R1001	1
OTM315..400_C	OTMXP002	1SCA121368R1001	1
OT160..250_C	OTXP001	1SCA121365R1001	1
OT315..400_C	OTXP002	1SCA121367R1001	1

# — Contactors

—  
ABB has developed contactors for over 100 years and has continuously pushed the limits of the technology.

ABBs contactors initially were produced by CEM (Compagnie Electro Mecanique), a company founded in Paris in 1885 that built its first factory in Le Havre in 1895. CEM was a subsidiary of Brown Boveri & Cie and its activities were engineering and production of Electrical machines. Primarily designed only for motor starting applications, ABBs versatile contactors are today installed in a wide range of applications, from railway to wind power. Featuring AF technology as standard, the latest range of ABB's contactors establishes a new industry benchmark. The electronically controlled coil offers multiple benefits over conventional alternatives, and together with ABB's wide product offering – an optimal configuration, every time.



EH contactor



AF contactor



A Contactor

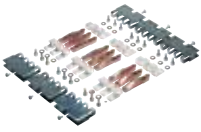


A/AF contactor

# Contactors



ZL185



ZL1650

## Main contact sets

For contactors	Type	Code	Pkg qty	Weight (1 pce) Kg
Main contact sets for 3-pole contactors consists of six fixed contacts, three moving contacts, springs and the required screws.				
A/AF/AE/TAE50-30	ZL50	1SBN163503R1000	1	0.115
A/AF/AE/TAE63-30	ZL63	1SBN163703R1000	1	0.130
A/AF/AE/TAE75-30	ZL75	1SBN164103R1000	1	0.145
A/AF95-30	ZL95	1SFN164303R1000	1	0.190
A/AF110-30	ZL110	1SFN164503R1000	1	0.190
A/AF145	ZL145	1SFN164703R1000	1	0.380
A/AF185	ZL185	1SFN164903R1000	1	0.380
A/AF210	ZL210	1SFN165103R1000	1	0.670
A/AF260	ZL260	1SFN165303R1000	1	0.670
A/AF300	ZL300	1SFN165503R1000	1	0.670
AF400	ZL400	1SFN165703R1000	1	1.320
AF460	ZL460	1SFN165903R1000	1	1.320
AF580	ZL580	1SFN166103R1000	1	1.840
AF750	ZL750	1SFN166303R1000	1	1.840
AF1250	ZL1250	1SFN166403R1000	1	1.840
AF1350	ZL1350	1SFN166503R1000	1	3.500
AF1350-1 (1)	ZL1350-1	1SFC166503R1001	1	4.500
AF1650	ZL1650	1SFN166703R1000	1	3.500
AF1650-1 (1)	ZL1650-1	1SFN166703R1001	1	4.500
AF2050	ZL2050	1SFN167003R1000	1	3.500
AF2050-1 (1)	ZL2050-1	1SFN167003R1001	1	4.500
AF2650 (2)	ZL2650	1SFN166603R1000	1	1.200

(1) From contactor with serial number 1S1601001403xxx

(2) Do not include fixed parts or screws

## Main contact sets for 4-pole contactors

consists of eight fixed contacts, four moving contacts, springs and the necessary screws.

A/AE/AF45-40	ZLT45	1SBN163304R1000	1	0.150
A/AE/AF50-40	ZLT50	1SBN163504R1000	1	0.150
A/AE/AF75-40	ZLT75	1SBN164104R1000	1	0.150

## Main contact sets

For contactors	Type	Code	Pkg qty	Weight (1 pce) Kg
A145 ... A185 and AF145 ... AF185	ZW185	1SFN164710R1000	1	0.360
A210 ... A300 and AF210 ... AF300	ZW300	1SFN165110R1000	1	0.410
AF400, AF460	ZW460	1SFN165710R1000	1	1.380
AF580, AF750, AF1250	ZW750	1SFN166110R1000	1	1.500
AF1350, AF1650, AF2050 (1)	ZW1650	1SFN166510R1001	1	4.560
AF2650	ZW2650	1SFN166610R1000	1	4.000

(1) Fits old and new version



ZW





—  
ZA185

**Contactors coils AC operated**

For contactors	Rated control circuit		Type	Code	Pkg qty	Weight (1 pce) Kg
	Voltage Uc					
	V 50 Hz	V 60 Hz				
A45 ... A75, UA50 ...	24	24	ZA75	1SBN153510R8106	1	0.166
UA75,	48	48	ZA75	1SBN153510R8306	1	0.166
UA50..RA ... UA75..RA,	105	110 ... 127	ZA75	1SBN153510R2606	1	0.166
GA75	110	110 ... 120	ZA75	1SBN153510R8406	1	0.166
	110 ... 115	115 ... 127	ZA75	1SBN153510R8906	1	0.166
	175	208	ZA75	1SBN153510R3406	1	0.166
	190	220	ZA75	1SBN153510R3606	1	0.166
	200	200 ... 220	ZA75	1SBN153510R7506	1	0.166
	220 ... 230	230 ... 240	ZA75	1SBN153510R8006	1	0.166
	230 ... 240	240 ... 260	ZA75	1SBN153510R8806	1	0.166
	380 ... 400	400 ... 415	ZA75	1SBN153510R8506	1	0.166
	400 ... 415	415 ... 440	ZA75	1SBN153510R8606	1	0.166
A95, A110	24	24	ZA110	1SFN154310R8106	1	0.170
UA95, UA110	48	48	ZA110	1SFN154310R8306	1	0.170
UA95..RA, UA110..RA	110	110 ... 120	ZA110	1SFN154310R8406	1	0.170
	220 ... 230	230 ... 240	ZA110	1SFN154310R8006	1	0.170
	230 ... 240	240 ... 260	ZA110	1SFN154310R8806	1	0.170
	380 ... 400	400 ... 415	ZA110	1SFN154310R8506	1	0.170
	400 ... 415	415 ... 440	ZA110	1SFN154310R8606	1	0.170
A145 ... A185	24	24	ZA185	1SFN154710R8106	1	0.180
	48	48	ZA185	1SFN154710R8306	1	0.180
	110	110 ... 120	ZA185	1SFN154710R8406	1	0.180
	220 ... 230	230 ... 240	ZA185	1SFN154710R8006	1	0.180
	230 ... 240	240 ... 260	ZA185	1SFN154710R8806	1	0.180
	380 ... 400	400 ... 415	ZA185	1SFN154710R8506	1	0.180
	400 ... 415	415 ... 440	ZA185	1SFN154710R8606	1	0.180
A210 ... A300	24	24	ZA300	1SFN155110R8106	1	0.400
	48	48	ZA300	1SFN155110R8306	1	0.400
	110	110 ... 120	ZA300	1SFN155110R8406	1	0.400
	220 ... 230	230 ... 240	ZA300	1SFN155110R8006	1	0.400
	230 ... 240	240 ... 260	ZA300	1SFN155110R8806	1	0.400
	380 ... 400	400 ... 415	ZA300	1SFN155110R8506	1	0.400
	400 ... 415	415 ... 440	ZA300	1SFN155110R8606	1	0.400

# Contactors



ZAF110



ZAF300



ZAF1650

## Contactors coils AC operated

For contactors	Rated control circuit		Type	Code	Pkg qty	Weight (1 pce) Kg
	Voltage Uc V 50/60 Hz	V DC				
<b>Coils type ZAF for AF45 ... AF2050 AC / DC operated contactors</b>						
AF45 ... AF75	-	20 ... 60	ZAF75	1SBN153570R6906	1	0.170
	48 ... 130	48 ... 130	ZAF75	1SBN153570R7006	1	0.170
	100 ... 250	100 ... 250	ZAF75	1SBN153570R7206	1	0.170
AF95, AF110	-	20 ... 60	ZAF110	1SFN154370R7206	1	0.200
	48 ... 130	48 ... 130	ZAF110	1SFN154370R6906	1	0.200
	100 ... 250	100 ... 250	ZAF110	1SFN154370R7006	1	0.200
AF145, AF185	-	20 ... 60	ZAF185	1SFN154770R7206	1	0.225
	48 ... 130	48 ... 130	ZAF185	1SFN154770R6906	1	0.225
	100 ... 250	100 ... 250	ZAF185	1SFN154770R7006	1	0.225
AF210 ... AF300	-	20 ... 60	ZAF300	1SFN155170R7206	1	0.450
	48 ... 130	48 ... 130	ZAF300	1SFN155170R6906	1	0.450
	100 ... 250	100 ... 250	ZAF300	1SFN155170R7006	1	0.450
AF400, AF460	-	24 ... 60	ZAF460	1SFN155770R6806	1	0.525
	48 ... 130	48 ... 130	ZAF460	1SFN155770R6906	1	0.525
	100 ... 250	100 ... 250	ZAF460	1SFN155770R7006	1	0.525
	250 ... 500	250 ... 500	ZAF460	1SFN155770R7106	1	0.525
AF580 ... AF1250	-	24 ... 60	ZAF750	1SFN156170R6806	1	1.335
	48 ... 130	48 ... 130	ZAF750	1SFN156170R6906	1	1.335
	100 ... 250	100 ... 250	ZAF750	1SFN156170R7006	1	1.335
	250 ... 500	250 ... 500	ZAF750	1SFN156170R7106	1	1.335
AF1350 ... AF2050	100 ... 250	100 ... 250	ZAF1650 (1)	1SFN156570R7026	1 set	0.900
			ZP1650 (2)	1SFN166521R1070	1	0.300

(1) One set of two coil

(2) Printed circuit board

## LVRT Low voltage ride through PCB

For contactors	Type	Code	Pkg qty	Weight (1 pce) Kg
AF1350 ... AF2650(T)		1SFN165503R6126		

**Spare part cover**

<b>For contactor type</b>	<b>Type</b>	<b>Code</b>	<b>Pkg qty</b>	<b>Weight (1 pce) kg</b>
A145		1SFN165503R9201		0.365
A185		1SFN165503R9203		0.365
A210		1SFN165503R9205		0.520
A260		1SFN165503R9207		0.520
A300		1SFN165503R9209		0.520
AF145		1SFN165503R9202		0.365
AF185		1SFN165503R9204		0.365
AF210		1SFN165503R9206		0.520
AF260		1SFN165503R9208		0.520
AF300		1SFN165503R9210		0.520
AF400		1SFN165503R9211		1.455
AF460		1SFN165503R9212		1.455
AF580		1SFN165503R9213		1.655
AF750		1SFN165503R9214		1.655
AF1250		1SFN165503R9215		1.655
AF1350		1SFN165503R9216		2.475
AF1350T		1SFN165503R9217		2.475
AF1650		1SFN165503R9218		2.475
AF1650T		1SFN165503R9219		2.475
AF2050		1SFN165503R9220		2.475
AF2050T		1SFN165503R9221		2.475
AF2650		1SFN165503R9222		2.475
AF2650T		1SFN165503R9223		2.475

# Contactors

## Spare part bottom

For contactor type	Type	Code	Pkg qty	Weight (1 pce) kg
A145	Incl. terminal bars	1SFN165503R9231		1.310
A185	Incl. terminal bars	1SFN165503R9233		1.310
A210	Incl. terminal bars	1SFN165503R9235		1.960
A260	Incl. terminal bars	1SFN165503R9237		1.960
A300	Incl. terminal bars	1SFN165503R9239		1.960
AF145	Incl. terminal bars	1SFN165503R9232		1.310
AF185	Incl. terminal bars	1SFN165503R9234		1.310
AF210	Incl. terminal bars	1SFN165503R9236		1.960
AF260	Incl. terminal bars	1SFN165503R9238		1.960
AF300	Incl. terminal bars	1SFN165503R9240		1.960
AF400	Incl. terminal bars	1SFN165503R9241		4.635
AF460	Incl. terminal bars	1SFN165503R9241		4.635
AF580	Incl. terminal bars	1SFN165503R9243		5.135
AF750	Incl. terminal bars	1SFN165503R9243		5.135
AF1250	Incl. terminal bars and fixed contacts	1SFN165503R9245		6.215
AF1350	Incl. terminal bars and fixed contacts	1SFN165503R9246		18.060
AF1350 (1)		1SFN165503R9250		15.700
AF1650	Incl. terminal bars and fixed contacts	1SFN165503R9246		18.060
AF1650 (1)		1SFN165503R9251		15.700
AF2050	Incl. terminal bars and fixed contacts	1SFN165503R9248		18.305
AF2050 (1)		1SFN165503R9252		15.700
AF2650 (2)	Base part (plastic)	1SFN165503R9249		9.300

(1) From contactor serial number 1S160100514030001

(2) No terminal bars or fixed contacts included.

## Service kit

This kit contains various parts as rubber bearings, springs, levers, plastic armatures, cable holders, screws.

For contactor type	Type	Code	Pkg qty	Weight (1 pce) kg
AF1350 .... AF2050 (1)	AFKIT	1SFN165503R9253	1	0.200

(1) Until serial no. 1S16100514029999

## Contactor bridge

Includes 3 contactor bridges and 6 springs.

For contactor type	Type	Code	Pkg qty	Weight (1 pce) kg
AF1350 .... AF2050	AFBRG	1SFN165503R9254	1	1.000



—  
AFKIT



—  
AFBRG



EH1200

**3-pole contactors type EH**

For contactor type	Type	Code	Pkg qty	Weight (1 pce) kg
EH175-30-11	EH175	SK825401-□□		4.700
EH175-30-21	EH175	SK825401-E□		4.700
EH175-30-22	EH175	SK825411-□□		4.700
EH210-30-11	EH210	SK825402-□□		4.700
EH210-30-21	EH210	SK825402-□□		4.700
EH210-30-22	EH210	SK825412-E□		4.700
EH260-30-11	EH260	SK826402-□□		6.200
EH260-30-21	EH260	SK826402-E□		6.200
EH260-30-22	EH260	SK826412-□□		6.200
EH300-30-11	EH300	SK826401-□□		6.250
EH300-30-21	EH300	SK826401-E□		6.250
EH300 30-22	EH300	SK826411-□□		6.250
EH370-30-11	EH370	SK827004-□□		12.400
EH370-30-22	EH370	SK827030-□□		12.400
EH550-30-11	EH550	SK827005-□□		12.400
EH550-30-22	EH550	SK827031-□□		12.400
EH700-30-11	EH700	SK828004-□□		17.100
EH700-30-22	EH700	SK828030-□□		17.100
EH800-30-11	EH800	SK828005-□□		17.300
EH800-30-22	EH800	SK828031-□□		17.300
EH1200-30-11	EH1200	SK828006-□□		18.000
EH1200-30-22	EH1200	SK828032-□□		18.000



EHDB960

**Drive contactors type EHDB**

For contactor type	Type	Code	Pkg qty	Weight (1 pce) kg
<b>2-pole contactors (2NO)</b>				
EHDB220-20-11	EHDB220	SK825484-□□		4.000
EHDB280-20-11	EHDB280	SK825486-□□		4.000
EHDB360-20-11	EHDB360	SK826484-□□		5.700
EHDB520-20-11	EHDB520	SK827084-□□		12.100
EHDB650-20-11	EHDB650	SK827086-□□		12.100
EHDB800-20-11	EHDB800	SK828084-□□		16.800
EHDB960-20-11	EHDB960	SK828086-□□		17.000
<b>3-pole contactors (2NO + 1NC) 300 V DC dynamic braking</b>				
EHDB220-21-11	EHDB220	SK825485-□□		4.000
EHDB280-21-11	EHDB280	SK825487-□□		4.000
EHDB360-21-11	EHDB360	SK826485-□□		5.700
EHDB520-21-11	EHDB520	SK827085-□□		12.100
EHDB650-21-11	EHDB650	SK827087-□□		12.100
EHDB800-21-11	EHDB800	SK828085-□□		16.800
EHDB960-21-11	EHDB960	SK828087-□□		17.000

Note: refer to page 1/17 fro contactors order codes details.

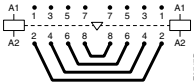
# Contactors



KZK370

## 3-pole contactors type EH

For contactor type	Type	Code	Pkg qty	Weight (1 pce) kg
<b>Main contact sets for 3-pole contactors type EH</b>				
EH175	KZ175	SK825200-B	1 set	0.500
EH210	KZ210	SK825200-A	1 set	0.500
EH260	KZ260	SK826200-B	1 set	0.600
EH300	KZ300	SK826200-A	1 set	0.600
EH370	KZ370	SK827200-D	1 set	1.800
EH550	KZ550	SK827200-C	1 set	1.800
EH700	KZ700	SK828200-D	1 set	2.000
EH800	KZ800	SK828200-C	1 set	2.000
EH1200	KZ1200	SK828200-E	1 set	
<b>Main contact sets for single pole NC contactors type EHDB</b>				
EHDB220	KZD220NC	SK825202-A	1 set	
EHDB280	KZD280NC	SK825202-B	1 set	
EHDB360	KZD360NC	SK826202-A	1 set	
EHDB520	KZD520NC	SK827202-A	1 set	
EHDB650	KZD650NC	SK827202-B	1 set	
EHDB800	KZD800NC	SK828202-A	1 set	
EHDB960	KZD960NC	SK828202-B	1 set	
<b>Main contact sets for 2-pole NO contactors type EHDB</b>				
EHDB220	KZD220NO	SK825203-A	1 set	
EHDB280	KZD280NO	SK825203-B	1 set	
EHDB360	KZD360NO	SK826203-A	1 set	
EHDB520	KZD520NO	SK827203-A	1 set	
EHDB650	KZD650NO	SK827203-B	1 set	
EHDB800	KZD800NO	SK828203-A	1 set	
EHDB960	KZD960NO	SK828203-B	1 set	
<b>Main contact sets for 4-pole contactors type EK</b>				
EK110	KZK110	SK824204-A	1 set	0.450
EK150	KZK150	SK824204-B	1 set	0.450
EK175	KZK175	SK825204-A	1 set	0.700
EK210	KZK210	SK825204-B	1 set	0.700
EK370	KZK370	SK827204-A	1 set	2.400
EK550	KZK550	SK827204-B	1 set	2.400
EK1000	KZK1000	SK827204-F	1 set	



**Connection sets**

For contactor type	Type	Code	Pkg qty	Weight (1 pce) kg
<b>Connection for reversing contactors</b>				
EH1200				
<b>Connection for 4-pole chageover contactors</b>				
EK110	BSS100	SK829090-B		0.400
EK150	BSS145	SK829090-F		0.700
EK175, EK210	BSS210	SK829090-G		1.000
EK370, EK550	BSS550	SK829090-E		3.600
EK1000	BSS1000	SK829090-H		5.500

**Arc chute**

For contactor type	Type	Code	Pkg qty	Weight (1 pce) kg
<b>Arc chute for 3-pole contactors type EH</b>				
EH210	KW210	5223351-AE		0.820
EH300	KW300	5223351-AG		1.070
EH550	KW550	5223351-M		2.360
EH700	KW700	5223351-N		2.890
EH800	KW800	5223351-P		2.890
EH1200	KW1200	5223354-H		
<b>Arc chute for 2-pole contactors type EHDB</b>				
EHDB220	KWD220-2P	5223353-B	1 set	
EHDB280	KWD280-2P	5223353-C	1 set	
EHDB360	KWD360-2P	5223353-D	1 set	
EHDB520	KWD520-2P	5223353-E	1 set	
EHDB650	KWP650-2P	5223353-F	1 set	
EHDB800	KWP800-2P	5223353-G	1 set	
EHDB960	KWP960-2P	5223353-H	1 set	
<b>Arc chute for 3-pole contactors type EHDB</b>				
EHDB220	KWD220-3P	5223352-B	1 set	
EHDB280	KWD280-3P	5223352-C	1 set	
EHDB360	KWD360-3P	5223352-D	1 set	
EHDB520	KWD520-3P	5223352-E	1 set	
EHDB650	KWP650-3P	5223352-F	1 set	
EHDB800	KWP800-3P	5223352-G	1 set	
EHDB960	KWP960-3P	5223352-H	1 set	
<b>Arc chute for 4-pole contactors type EK</b>				
EK110	KWK110	5223351-AH	1 set	0.660
EK175	KWK175	5223351-AL	1 set	1.260
EK210	KWK210	5223351-AM	1 set	1.260
EK370	KWK370	5223351-Y	1 set	3.170
EK550	KWK550	5223351-Z	1 set	3.170
EK1000	KWK1000	5223351-AN	1 set	3.170



— KW800

# Contactors

### Terminal shrouds

Mounting on contactors	Type	Code	Pkg qty	Weight (1 pce) kg
EH145 ... EH210	LT210-EC	SK178003-CB		0.057
EH370, EH550	LT550-E	SK178001-EB		0.157
EH700	LT700-E	SK178001-FB		0.168
EH800	LT800-E	SK178001-GB		0.182
EK110, EK150	LT150-EK	SK178001-HB		0.182
EK175, EK210	LT210-EK	SK178001-KB		0.139
EK370, EK550	LT550-EK	SK178001-LB		0.190
EK1000	LT1000-EK	SK178001-MB		0.200

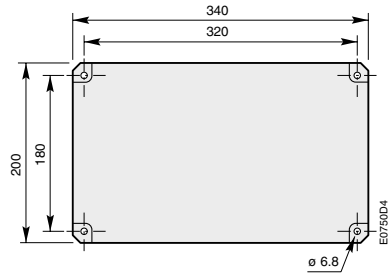
### Mounting plates



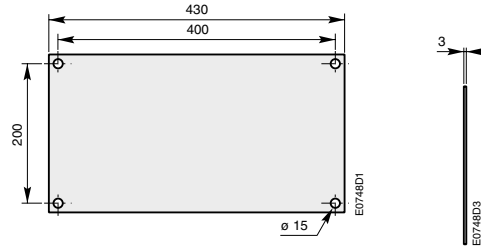
PN ...

To use with left hand contactor	Mecha	Right hand contactor	Type	Code	Pkg qty	Weight (1 pce) kg
Plates for two horizontal mounted contactors with or without a mechanical interlock unit and/or thermal overload relay						
EH175, EH210	VH250A	EH145	PN210-22	SK829075-C		1.400
EH175, EH210	VH300	EH175, EH210				
EK110, EK150	VH45	EK175, EK210	PN300-22	SK829075-E		2.070
EH260, EH300	VH300	EH175, EH210				
EH260, EH300	VH300	EH260, EH300				
EK175, EK210	VH300	EK175, EK210				

### Main dimensions mm

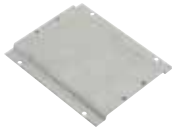


PN210-22



PN300-22





—  
PR300-1

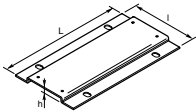
**Adapter plates**

Adapter plates with fixing holes for specified old contactors to new contactors.

From old contactor	To new contactor	Type	Code	Pkg qty	Weight (1 pce) kg
EH65, EH75, EH80, EH90, EG80	A95, A110	PR110-1	1SFN094500R1000	1	0.270
EH100, EH145	A110, A145	PR145-1	1SFN094700R1000	1	0.360
EH150, EH160, EH175, EH210, EG160	A185, A210	PR210-1	1SFN094900R1000	1	0.440
EH250, EH260, EH300	A210...A300	PR300-1	1SFN095300R1000	1	0.560
EH370, EH550, EG315	AF400...AF580	PR460-1	1SFN095700R1000	1	0.900
EH700, EH800	AF750	PR750-1	1SFN096100R1000	1	0.500
EH550, EG630	AF580, AF750	PR750-2	1SFN096100R1001	1	1.100

Note: The adapter plates provided for the A ... contactors can also be used for the AF ... contactors.

**Dimensions (mm)**



Type of the plate	Dimensions			Fixing holes mm
	L	l	h	
PR110-1	151	106	11.2	2 x $\varnothing$ 7
PR145-1	180	122	11.5	4 x $\varnothing$ 7
PR210-1	200	132	11.5	4 x $\varnothing$ 7
PR300-1	200	172	11.5	4 x $\varnothing$ 7
PR460-1	278	198	11.5	4 x $\varnothing$ 7
PR750-1	283	244	11.5	4 x $\varnothing$ 7

Note: The adapter plates provided for the A ... contactors can also be used for the AF ... contactors.  
Fixing holes according to the plate types

**Mechanical and electrical interlocking units**

For contactors		Type	Code	Pkg qty	Weight (1 pce) kg
<b>on left</b>	<b>on right</b>				
Mechanical interlock units of two horizontal mounted contactors					
EH370, EH550	EH260 ... EH550	VH550	SK829070-E	1	5.000
EHDB520 ... EHDB650	EHDB520 ... EHDB650				
EH700, EH800	EH370 ... EH800	VH800	SK829070-F	1	6.000
EH370, EH550	EK370, EK550				
EHDB800, EHDB960	EHDB800, EHDB960				
Mechanical and electrical interlock units of two horizontal mounted contactors					
EH175, EH210	EK175, EK210	VH300	SK829071-B	1	0.130
EHDB220 ... EHDB360	EHDB220 ... EHDB360				
Mechanical interlock units of two horizontal mounted contactors					
EK370 ... EK1000	EK370 ... EK1000	VH800	SK829070-F		6.00
Mechanical and electrical interlock units of two vertical mounted contactors					
EK110, EK150	EK110, EK150	VKV150	SK829072-B		0.250
EH260, EH300	EH260, EH300	VHV300	SK829072-D		0.430
EK175, EK210	EK175, EK210				
EK175, EK210	EH260, EH300	VHV210	SK829072-C		0.600

# Contactors



KH550...KH800

## Contactor coils

For contactor type	Type	Code	Pkg qty	Weight (1 pce) kg
<b>AC or DC operated coils for EH and EK contactors</b>				
EH175, EH210 EK110, EK150 EHDB220, EHDB280	KH210	SK825400-□□		0.360
EH260, EH300 EK175, EK210 EHDB360	KH300	SK826400-□□		0.440
EK370, EK550 EHDB520, EHDB650	KH550	SK827100-□□		0.780
EH700, EH800 EK370, EK550, EK1000 EHDB800, EHDB960	KH800	SK828100-□□		0.950
EH1200	KH1200	SK828101-□□		
<b>Sets including a DC coil, an economy resistor and an inertion contact</b>				
EH175, EH210 EK110, EK150	KP210	SK825450-□□		0.360
EH260, EH300 EK175, EK210	KP300	SK826450-□□		0.440
EH370, EH550	KP550	SK827150-□□		0.780
EH700 ... EH800	KP800	SK828150-□□		0.950
<b>Sets including a multi-frequency coil and an nsertion contact for contactor with built-in rectifier</b>				
EH175, EH210 EK110, EK150	KP210	SK825450-E □		0.300
EH260, EH300 EK175, EK210	KP300	SK826450-E □		0.400
<b>AC and DC operated coils for the mechanical latching units on EH145 ... EH800 contactors</b>				
D.C. operated	KX800X	SK829100-□□		0.090

**Coil codes contactor / coil type EH / KH ...**

**AC operated**

Voltage		Contactor * / coil ** type									Coil code	
50 Hz	60Hz	EH175 / KH210	EH210 / KH210	EH260 / KH300	EH300 / KH300	EH370 / KH550	EH550 / KH550	EH700 / KH800	EH800 / KH800	EH1200 / KH1200	<input type="checkbox"/>	<input type="checkbox"/>
48		•	•	•	•	•	•	•	•	–	A	D
	110	•	•	•	•	•	•	•	•	–	A	E
110	120	•	•	•	•	•	•	•	•	–	A	F
190	220	•	•	•	•	•	•	•	•	–	A	H
	240	•	•	•	•	•	•	•	•	–	A	K
220 ... 230		•	•	•	•	•	•	•	•	–	A	L
230 ... 240		•	•	•	•	•	•	•	•	–	A	M
	380	•	•	•	•	•	•	•	•	–	A	N
380 ... 400/440		•	•	•	•	•	•	•	•	–	A	P
400 ... 415		•	•	•	•	•	•	•	•	–	A	R
	480	•	•	•	•	•	•	•	•	–	A	S
660		•	–	–	–	–	–	•	•	–	A	Y

**DC operated**

Voltage		Contactor * / coil ** type									Coil code	
V DC		EH175 / KH210	EH210 / KH210	EH260 / KH300	EH300 / KH300	EH370 / KH550	EH550 / KH550	EH700 / KH800	EH800 / KH800	EH1200 / KH1200	<input type="checkbox"/>	<input type="checkbox"/>
24		•	•	•	•	•	•	•	•	•	D	B
110		•	•	•	•	•	•	•	•	•	D	E
125		•	•	•	•	•	•	•	•	–	D	U
77 ... 143		–	–	•	–	–	–	–	–	–	W	E

**Multi frequency**

Voltage		Contactor * / coil ** type									Coil code	
40 ... 400 Hz		EH175 / KH210	EH210 / KH210	EH260 / KH300	EH300 / KH300	EH370 / KH550	EH550 / KH550	EH700 / KH800	EH800 / KH800	EH1200 / KH1200	<input type="checkbox"/>	<input type="checkbox"/>
110 ... 120		–	–	–	•	–	•	•	–	•	E	F
115 ... 127		•	–	–	–	–	•	–	•	–	E	G
220 ... 230		–	•	–	•	•	•	•	•	•	E	L
230 ... 240		•	•	•	•	•	•	•	•	–	E	M
400 ... 415		–	–	–	–	•	•	–	–	–	E	R

# Contactors

## Coil codes contactor / coil type EK / KH ...

### AC operated

Voltage		Contactor * / coil ** type						Coil code		
50 Hz	60Hz	EK110 / KH210	EK150 / KH210	EK175 / KH300	EK210 / KH300	EK370 / KH550	EK550 / KH550	EK1000 / KH800	<input type="checkbox"/>	<input type="checkbox"/>
48		.	.	.	.	.	.	.	A	D
	110	.	.	.	.	.	.	-	A	E
110	120	.	.	.	.	.	.	.	A	F
190	220	.	.	.	.	.	.	.	A	H
	240	.	.	.	.	.	.	-	A	K
220 ... 230	240	.	.	.	.	.	.	.	A	L
230 ... 240		.	.	.	.	.	.	.	A	M
	380	.	.	.	.	.	.	-	A	N
380 ... 400 440		.	.	.	.	.	.	.	A	P
400 ... 415		.	.	.	.	.	.	.	A	R
	380	.	.	.	.	.	.	.	A	S
	600	.	.	.	.	.	.	.	A	V
660		.	.	.	.	-	.	.	A	Y
	208	.	.	.	.	.	.	-	A	Z
250		.	-	-	-	-	.	.	B	B

### DC operated

Voltage		Contactor * / coil ** type						Coil code		
V d.c.		EK110 / KH210	EK150 / KH210	EK175 / KH300	EK210 / KH300	EK370 / KH550	EK550 / KH550	EK1000 / KH800	<input type="checkbox"/>	<input type="checkbox"/>
24		.	.	.	.	.	.	.	D	B
48		.	.	.	.	.	.	.	D	D
110		.	.	.	.	.	.	.	D	E
220		.	.	.	.	.	.	.	D	E
125		.	.	.	.	.	.	-	D	U
77 ... 143		.	.	.	.	.	.	-	W	R
90 ... 190		.	-	-	-	.	-	-	W	U

### Multi frequency

Voltage		Contactor * / coil ** type						Coil code		
40 ... 400 Hz		EK110 / KH210	EK150 / KH210	EK175 / KH300	EK210 / KH300	EK370 / KH550	EK550 / KH550	EK1000 / KH800	<input type="checkbox"/>	<input type="checkbox"/>
110 ... 120		.	.	.	.	.	.	.	E	F
115 ... 127		.	.	.	.	.	.	.	E	G
220 ... 230		.	.	.	.	.	.	.	E	L
230 ... 240		.	.	.	.	.	.	.	E	M
400 ... 415		.	.	.	.	.	.	-	E	R

## Coil codes contactor / coil type EHDB / KH ...

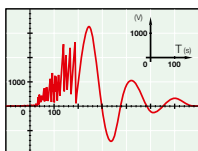
### AC operated

Voltage		Contactor * / coil ** type						Coil code		
50 Hz	60Hz	EHDB220 / KH210	EHDB280 / KH210	EHDB360 / KH300	EHDB520 / KH550	EHDB650 / KH550	EHDB800 / KH800	EHDB960 / KH800	<input type="checkbox"/>	<input type="checkbox"/>
	110	.	-	-	-	-	-	-	A	E
110		.	.	.	.	.	.	.	A	F
190		-	.	-	-	-	-	-	A	H
	240	.	.	.	.	-	-	-	A	K
230		.	.	.	.	.	.	-	A	L
230 ... 240		.	.	.	-	-	-	-	A	M
400 ... 415		.	.	.	.	.	-	.	A	R
	600	.	-	-	-	-	-	-	A	V
	208	.	.	.	-	-	-	-	A	Z
110 ... 115		.	.	.	-	-	-	-	G	G

Note: GG includes surgesupressor

### DC operated

Voltage		Contactor * / coil ** type						Coil code		
V d.c.		EHDB220 / KH210	EHDB280 / KH210	EHDB360 / KH300	EHDB520 / KH550	EHDB650 / KH550	EHDB800 / KH800	EHDB960 / KH800	<input type="checkbox"/>	<input type="checkbox"/>
24		.	.	.	.	-	-	-	D	B
220		.	-	-	-	-	-	-	D	F
125		.	-	-	-	-	-	-	D	U
110		.	.	.	.	-	-	-	D	E
110		.	.	-	-	-	-	-	R	E



**Surge suppressors for contactor coils**

**Description**

The operation of inductive circuits causes overvoltages, in particular on opening of the contactor coil. The electromagnetic energy stored in the coil during contactor closing is restored on opening in the form of surges, the slope and amplitude of which may rise to several kilovolts. A number of drawbacks are observed ranging from interference on the electronic devices to breakdown of insulators and even destruction of certain sensitive components. The graph opposite reproduces the oscillogram showing voltage discharges at the terminals of a 42 V / 50 Hz coil without peak clipping. The coil was switched by 8 series-connected poles of a contactor relay.

Following a burst of discharges with a very steep slope a damped oscillation emerges with a peak value of 3500 V.

**Overvoltage Factor**

The overvoltage factor k is defined as the ratio of the maximum overvoltage peak value  $\hat{U}_s$  to the peak value  $\hat{U}_c$  of the coil rated control voltage  $U_c$ :

$$k = \frac{\hat{U}_s \text{ max.}}{\hat{U}_c} \quad \text{in DC: } k = \frac{\hat{U}_s \text{ max.}}{U_c} \quad \text{or in AC: } k = \frac{\hat{U}_s \text{ max.}}{U_c \sqrt{2}}$$

For example the following is obtained for the above graph:  $k = \frac{3500}{42 \sqrt{2}} \approx 60$

To reduce the harmful effects of these overvoltages, ABB has developed a range of surge suppressors designed to reduce the k factor defined above and to limit or even completely eliminate the high pre-damping voltage frequencies.

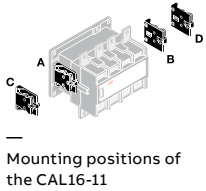
Each case is different, but the technical data tolerances and the generous sizing of parts have enabled us to reduce the number of variants.

We have chosen the following solutions: transil diodes, varistors and RC blocks.

Note: A varistor is a resistor whose value decreases to a very large extent when a certain voltage is applied at its terminals.

For contactors	Rated control circuit voltage $U_c$			Type	Code	Pkg qty	Weight (1 pce) kg
	V	AC	DC				
EH175 ... EH300, EK100 ... EK210	24...48	<input type="checkbox"/>	-	RC-EH300/48	SK829007-A	2	0.015
	110...415	<input type="checkbox"/>	-	RC-EH300/416	SK829007-B		
EHDB130 ... EHDB360	110...415	-	<input type="checkbox"/>	RC-EH300/415	SK829007-B		0.015
EH370 ... EH800, EK370 ... EK550	48...100	<input type="checkbox"/>	-	RC-EH800/110	SK829007-C	2	0.015
EHDB520 ... EHDB960		-	<input type="checkbox"/>				
EH175 ... EH800, EK110 ... EK550	24...125	-	<input type="checkbox"/>				
EH370 ... EH800, EK370 ... EK1000	220...600	<input type="checkbox"/>	-	RC-EH800/600	SK829007-D	2	0.015
EHDB520 ... EHDB960		-	<input type="checkbox"/>				

# Contactors



## Auxiliary contact blocks

### Description

The auxiliary contact blocks are used for the operation of auxiliary circuits and control circuits.

Types of auxiliary contact blocks for standard industrial environments:

- CAL instantaneous with N.O. + N.C. contacts
- CCL N.O. leading contact + N.C. lagging contact.

The auxiliary contact blocks are equipped with screw type connecting terminals delivered open, protected against accidental direct contact, and bear the corresponding function marking.

Mounting: Screwed onto the right and / or lefthand side of the EK110 ... EK1000 contactors.

For contactors	Number of blocks	Auxiliary contacts				Type	Code	Pkg qty	Weight (1 pce) kg
EH, EK, EHDB	1	1	1	-	-	CAL16-11A	SK829002-A	1	0.050
EH, EK, EHDB	1	1	1	-	-	CAL16-11B	SK829002-B	1	0.050
EH, EK, EHDB	1	1	1	-	-	CAL16-11C	SK829002-C	1	0.050
EH, EK, EHDB	1	1	1	-	-	CAL16-11D	SK829002-D	1	0.050
EH, EK	1	1	-	-	1	CCL16-11E (1)	SK829002-E	1	0.050

(1) Mounting of CCL16-11E blocks does not allow an additional second block to be added on top of it. All DC operated EK... contactors are equipped with one CCL16-11E on the right side.

# R contactors

ABB has launched R contactors 50 years ago developing a wide range of variants to satisfy different requests.

During these 50 years, ABB has preserved the same types of R contactors that are adapted in conventional and advanced power applications from 63 to 5000 A in AC and DC. With a variable number of poles and advanced features, these tailor-made bar mounted contactors remain the most flexible solution. Robustness and reliability bring our technology far beyond the limits of standard contactors. Our know-how enables us to offer R contactors perfectly suited to your applications whatever the environment.

## AC Circuit Switching



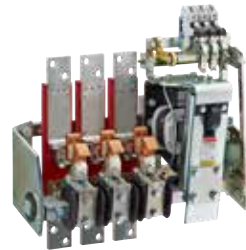
## DC Circuit Switching



## N.O. / N.C. main poles combinations



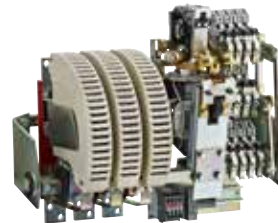
## Power circuit coupling



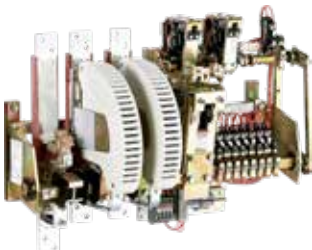
## Slip-ring motor control



## Energy saving and safety requirements



## Alternator field discharge



# R contactors



## Contact sets for N.O. or N.C. main poles

### Description

The contact sets include 1 fixed contact, 1 moving contact, 1 arcing horn (according to table below) and screws.

The quantities needed are defined per ratings as follow:

- 1 set per pole for R63....R800, R1000, R1400, R1700, R2100
- 2 sets per pole for R1250, R1500, R2500, R3200, R3800
- 3 sets per pole for R2000, R4500, R5100
- 4 sets per pole for R3150
- 5 sets per pole for R4000.

For contactors		Code	Pkg qty	Weight (1 pce) kg
<b>Contact set with arcing horn</b>				
IOR, NOR, JOR, FOR	63, 85	FPTN410389R0001	1 set	0.050
	125, 170	FPTN410389R0002	1 set	0.150
	200, 260	FPTN410389R0003	1 set	0.250
	315, 400 (1), 420	FPTN410389R0004	1 set	0.400
	400 (2), 500, 550, 630	FPTN410389R0005	1 set	0.480
<b>Contact set without arcing horn</b>				
LOR	85	FPTN410390R0001	1 set	0.040
	170	FPTN410390R0002	1 set	0.090
	260	FPTN410390R0003	1 set	0.180
	420	FPTN410390R0004	1 set	0.250
	400, 550	FPTN410390R0005	1 set	0.470
IOR, NOR, JOR, FOR, LOR	800, 1000, 1250, 1500, 2000, 3150, 4000	FPTN410391R0001	1 set	0.520
	1400, 2500	FPTN410503R0001	1 set	0.520
	1700, 2100, 3800, 4500, 5100	FPTN410506R0001	1 set	0.830

(1) For NOR and JOR types, N.C. poles

(2) For IOR, NOR, JOR types, N.O. poles



## Arcing horns for N.O. or N.C. main poles

For contactors		Code	Pkg qty	Weight (1 pce) kg
<b>Contact set with arcing horn</b>				
IOR, NOR, JOR, FOR, LOR	800, 1000, 1250, 1500, 2000, 3150, 4000	FPTN410446R0001	1	0.200
	1400, 2500	FPTN410446R0001	1	0.200
	1700, 2100, 3200, 3800, 4500, 5100	FPTN410508R0001	1	0.280





**Equipotential connections**

Equipotential connections must be ordered separately for ratings  $\geq 800$  A.

For R contactors type IOR, NOR, JOR and FOR	Type	Code	Pkg qty	Weight (1 pce) kg
800 ... 5100	NO poles	FPTN410176R0006		0.500
800 ... 4000	NC poles	FPTN410176R0007		0.530



**Arc chutes**

De-ion arc chutes replace basic arc chutes except for 315 and 420 A ratings.

For R contactors type IOR, NOR, JOR and FOR	Type	Code	Pkg qty	Weight (1 pce) kg
63, 85	De-ion arc chute	FPTN401938R0002		0.470
125, 170	De-ion arc chute	FPTN401939R0002		0.930
200, 260	De-ion arc chute	FPTN401940R0002		1.360
315, 400 (1), 420	Basic arc chute	FPTN401936R0002		1.300
400 (2), 500, 550	De-ion arc chute	FPTN401941R0002		3.600
800, 1000, 1250, 1500, 2000, 3150, 4000	De-ion arc chute	FPTN410067R0002		2.570
1400, 2500	De-ion arc chute	FPTN410067R0002		2.570
1700, 2100, 3200, 3800, 4500, 5100	De-ion arc chute	FPTN410507R0001		3.150

**Pressure springs, insulated supports, complete poles and other spare parts**

Please contact your local sales organisation (order code for R contactor needed).

# R contactors



## Surge suppressors for contactor coils

For R contactors type IOR, NOR, JOR, LOR and FOR	Rated control circuit voltage U <sub>c</sub>			Type	Code	Pkg qty	Weight (1 pce) kg
	V	AC	DC				
63 ... 5100	24...60	<input type="checkbox"/>	-	RV-R1/60	FPTN410463R6001	1	0.050
	60...133	<input type="checkbox"/>	-	RV-R1/133	FPTN410463R6002	1	0.050
	110...250	<input type="checkbox"/>	-	RV-R1/250	FPTN410463R6003	1	0.050
	250...440	<input type="checkbox"/>	-	RV-R1/440	FPTN410463R6004	1	0.050
	440...660	<input type="checkbox"/>	-	RV-R1/660	FPTN410463R6005	1	0.050
	24...90	-	<input type="checkbox"/>	RV-R1/60	FPTN410463R6001	1	0.050
	60...180	-	<input type="checkbox"/>	RV-R1/133	FPTN410463R6002	1	0.050
	110...320	-	<input type="checkbox"/>	RV-R1/250	FPTN410463R6003	1	0.050
	250...550	-	<input type="checkbox"/>	RV-R1/440	FPTN410463R6004	1	0.050
	440...660	-	<input type="checkbox"/>	RV-R1/660	FPTN410463R6005	1	0.050



## Rectifiers

For R contactors type IORR, NORR, JORR, LORR and FORR	Rated control circuit voltage U <sub>c</sub>	Code	Pkg qty	Weight (1 pce) kg
63 ... 5100	< 440 V AC	TRE2614501	1	0.050
	≥ 440 V AC	TRE2720801	1	0.050

## Complete control circuit kit

Including:

- 1 coil
- 1 economy resistor
- 1 surge suppressor
- 1 rectifier

For complete kit, please contact your local sales organization (order code of R contactor needed).

## Magnet circuits

For R contactors type IORR, NORR, JORR, LORR, and FORR IORE, NORE, JORE, LORE, and FORE	Code	Pkg qty	Weight (1 pce) kg
63, 85	FPTN410437R0001	1	1.500
125, 170	FPTN410438R0001	1	1.500
200, 260	FPTN410439R0001	1	1.500
400 ... 630	FPTN410441R0001	1	2.500
≥ 800	FPTN410200R0001	1	8.000

For tripping electro-magnet circuit AME or AM(F)-CC > 800 A: use 63, 85 A electro-magnet circuit.

For IOR and IOR ... AMA versions, please consult your local sales organization (order code of R contactor needed).

## Coils, economy resistors and other specific parts

Please contact your local sales organization (order code of R contactor needed).




— CA12

**Auxiliary contact blocks type CA12**

CA12 auxiliary contact blocks 2 or 4-pole are mounted on a support bracket, above the electro-magnet. The R contactors type R and RE can be equipped with:

- 1 or 2 x 2-pole blocks
- 1 x 2-pole block + 1 x 4-pole blocks.

The R contactors type RR can be equipped with 1 or 2 x 2-pole blocks.


For R contactors type R, RE, RR (RC excluded)	Auxiliary contacts		Type	Code	Pkg qty	Weight (1 pce)
						kg
Auxiliary contact blocks						
63...550	1	1	CA12-1	FPTN410004R0001	1	0.050
	2	0	CA12-2	FPTN410005R0001	1	0.050
	2	2	CA12-11	FPTN410013R0001	1	0.090
	1	3	CA12-12	FPTN410016R0001	1	0.090
	4	0	CA12-22	FPTN410012R0001	1	0.090
Support bracket						
63 ...260			Support bracket	FPTN410056R0001	1	0.060
315 ... 550			Support bracket	FPTN410056R0002	1	0.060



— CA15-F

**Auxiliary contacts type CA15**

CA15 auxiliary contacts are mounted on a mounting kit, on the frame.

For R contactors type R, RE, RR (RC excluded)	Auxiliary contacts		Type	Code	Pkg qty	Weight (1 pce)
						kg
Auxiliary contact with screw terminals						
63...550	1	0	CA15-F	FPTN410008R0004	1	0.070
	0	1	CA15-O	FPTN410007R0006	1	0.070
Auxiliary contact for railway						
63...550	1	0	CA15-F	FPTN210382R0003	1	0.070
	0	1	CA15-O	FPTN210382R0004	1	0.070
Mounting kit						
63 ...170, 315...550, auxiliary frame ≥ 800			Universal mounting kit	FPTN410054R0016	1	On request
200 ... 260			Mounting kit	FPTN410054R0017	1	
Main frame ≥ 800			Mounting kit	FPTN410213R0006	1	



— CA15-O

**Special auxiliary contact blocks**

Please contact your local sales organization (order code of R contactor needed).

# Arc guards

ABB offers arc mitigation through Arc Guard System™

With over 35 years of experience in the development of solutions to protect personnel and businesses around the world, ABB offers arc mitigation with the market-leading product Arc Guard System™, an industry standard in several key markets.

Typical applications include all low voltage and medium voltage switchgears.

ABB provides spare parts for TVOC and TVOC-2, the latest two versions of Arc Guard System™.



Arc Guard System TVOC  
Launch: 2000



Arc Guard System TVOC-2  
Launch: 2016



**Detectors with optical cable of plastic fibre**

Cable length	Code	Pkg qty	Weight (1 pce) kg
1 m	1SFA663003R1010		0.020
2 m	1SFA663003R1020		0.020
4 m	1SFA663003R1040		0.040
6 m	1SFA663003R1060		0.060
8 m	1SFA663003R1080		0.080
10 m	1SFA663003R1100		0.100
15 m	1SFA663003R1150		0.150
20 m	1SFA663003R1200		0.200
25 m	1SFA663003R1250		0.200
30 m	1SFA663003R1300		0.300

other lengths on request



**Optical cables**

Cable length	Code	Pkg qty	Weight (1 pce) kg
0.5 m	1SFA663004R1000		0.010
1 m	1SFA663004R1010		0.010
2 m	1SFA663004R1020		0.020
4 m	1SFA663004R1040		0.040
6 m	1SFA663004R1060		0.060
8 m	1SFA663004R1080		0.080
10 m	1SFA663004R1100		0.100
15 m	1SFA663004R1150		0.150
20 m	1SFA663004R1200		0.200
25 m	1SFA663004R1250		0.250
30 m	1SFA663004R1300		0.300



**Mounting bracket set**

	Code	Pkg qty	Weight (1 pce) kg
One set including 5 pcs of bracket and 10 pcs if cable strap	1SFA663006R1010		0.250



**Mounting kit**

	Code	Pkg qty	Weight (1 pce) kg
600 mm	1SFA663006R1001		0.350
800/1000 mm	1SFA663006R1002		0.600



**Label**

	Code	Pkg qty	Weight (1 pce) kg
One set including 10 pcs	1SFA663005R1001		0.020



—  
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