TECHNICAL CATALOG

Low voltage products spare parts

For circuit breakers, Switches, Contactors, Arc Guards and Softstartes



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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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 tolls 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.

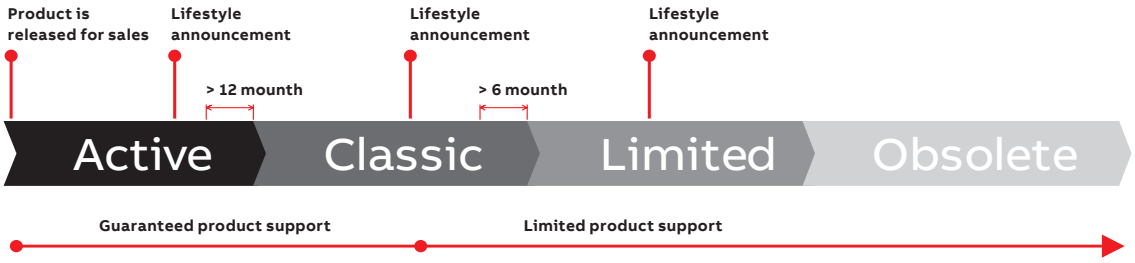
Replacement
ABB offers the possibility to replace own products with completely new ones.
ABB Service guarantees a total availability of a product as long as it is in the Classic phase of the Life Cycle Management and a partial availability during the Limited phase.
More details of the Life Cycle Management 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.



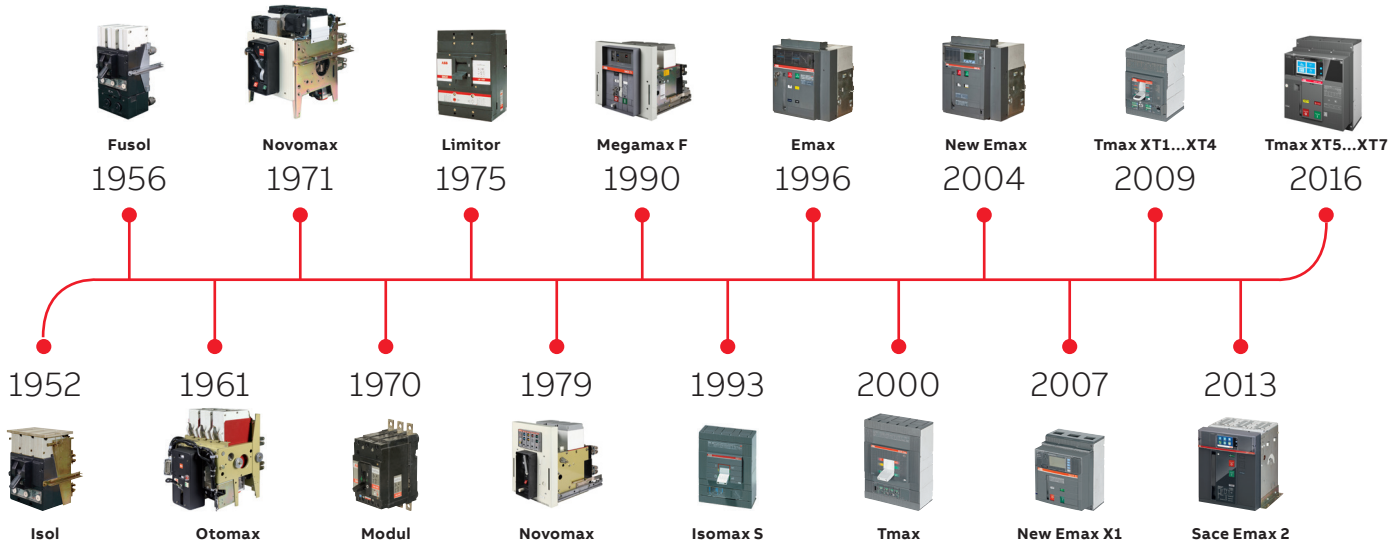
Circuit-breakers

ABB SACE means quality and innovation inside the low voltage world. ABB has celebrate 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 found in 1918 in Bergamo – Italy.
ABB circuit-breakers have be 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.

		Service solutions				
Life Cycle Management (LCM)	**CBs Type**	**Spare parts/ Accessories**	**Maintenance**	**Retrofitting kit**	**Training**	**New Product/ Replacement**
Active	Emax 2	●	●		●	●
	Tmax XT	●	●		●	●
	Tmax T8	●	●		●	●
Classic	Tmax (T5...T7)	●	●		●	●
Limited	New Emax	●	●	●	●	●
	Tmax T4	●	●		●	●
Obsolete	Tmax (T1...T3)	●				
	Emax	●	●	●	●	
	Novomax			●		
	Megamax F	● (1)		●		
	Otomax			●		
	Novomax G30			●		
	Isomax S	● (1)		●		
	Limitor					
	Modul			●		
	Isol/Fusol			●		

1) Verify availability before ordering



Circuit-breakers

With the integration with General Electric at the end of 2018, new devices are now part of ABB portfolio and, consequently are supported by ABB in terms of maintenance and spare parts.
ABB announced the finalization of the acquisition of GE Industrial Solutions (GEIS), GE's global electrification solutions business, on June 30, 2018.
In this regard, in this document there is also the spare parts list of the last GE air circuit brakers: Mpact, EntelliGuard G, EntelliGuard L.



Mpact
1998



Entelliguard G
2008

2006



Mpact plus

2014



Entelliguard L

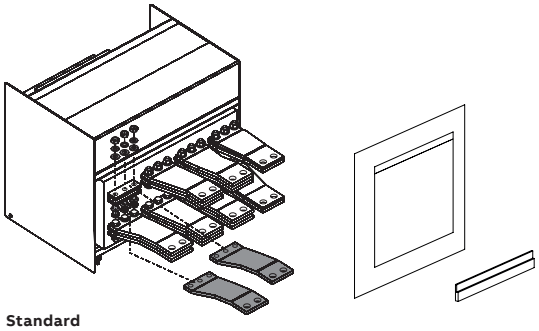
Circuit-breakers
Retrofitting kits

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 electrcal 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(1):

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 expecially if there are external devices like heating elements, wiring accessories, fuseholders, CAM switches, etc.

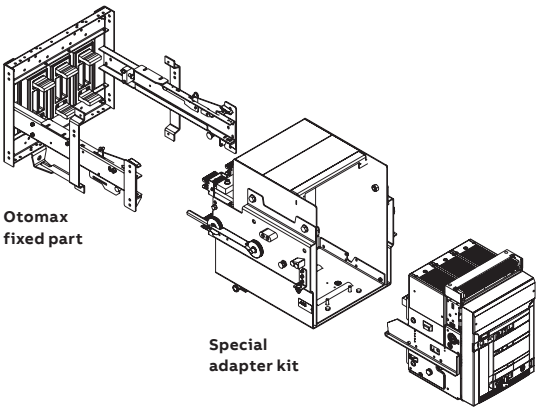


Standard fixed part

Special adapting kits

Adhesive template to follow for the pannel door cutout

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.



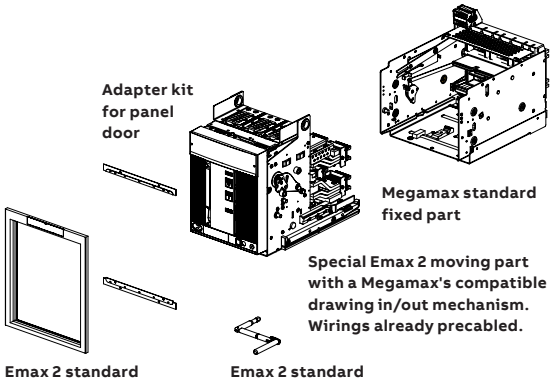
Otomax fixed part

Special adapter kit

New Emax standard Fixed part and moving part

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).

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.



Adapter kit for panel door

Megamax standard fixed part

Special Emax 2 moving part with a Megamax's compatible drawing in/out mechanism. Wirings already precabled.

Emax 2 standard gasket for panel's door

Emax 2 standard racking in/out lever

—
1) 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 continuosly 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 as "Level 3" (L3 - former Type A) and not Level 3 (or level 1-2).
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.
These spare parts are categorized as "Level 3" (L3 - former 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.

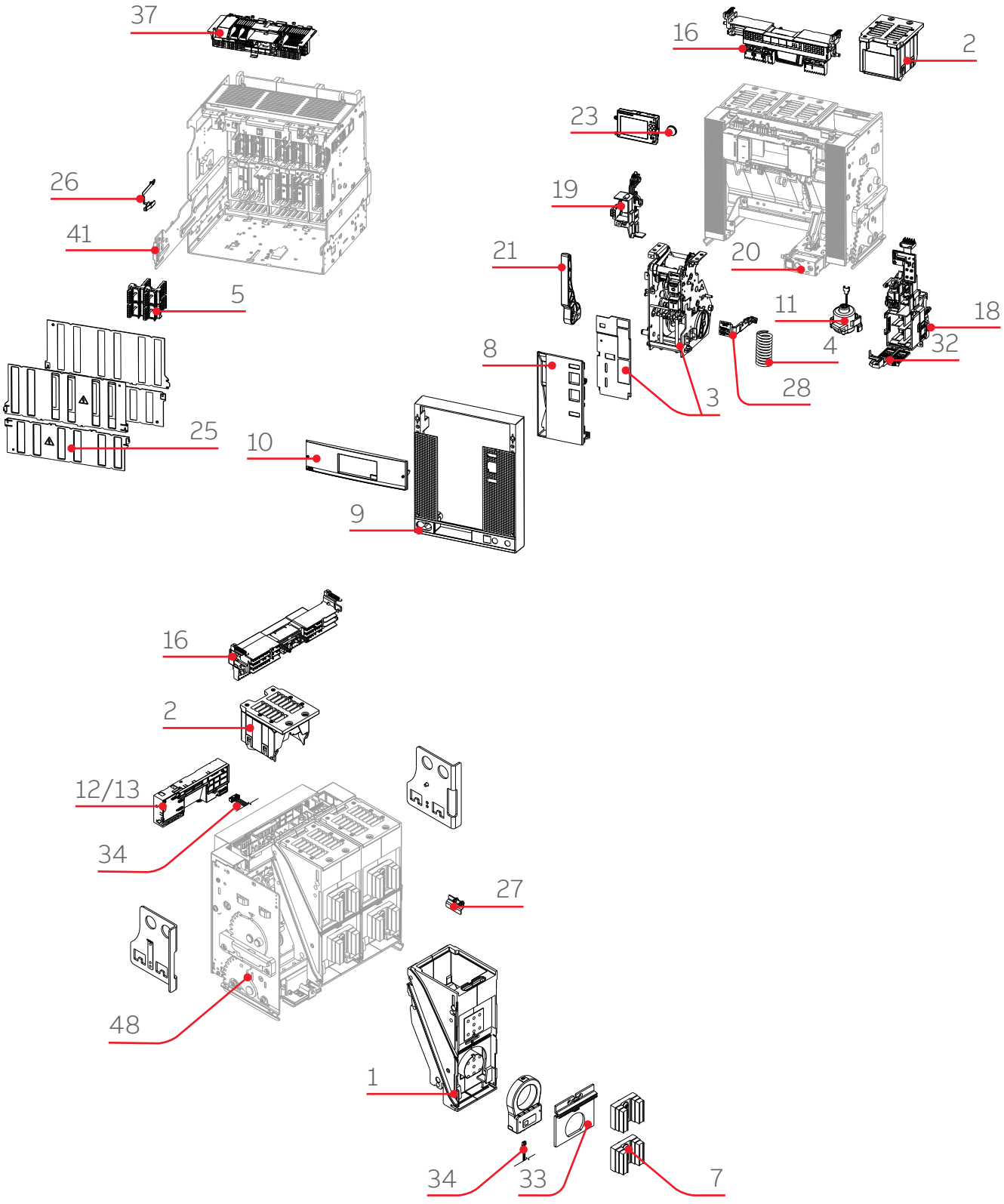
Efficiency: all spare parts are delivered in a short time to fulfil customer's needs.

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 (FP) = fixed part of draw out version W (MP) = moving part of draw out version
IEC/UL:	component compatible for IEC or/ and UL Standard circuit-breaker
Code:	part number to order
Spares type:	spares can be Level 3 (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

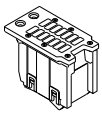
Circuit-breakers

ACB Spare parts - Emax 2 E1.2, E2.2, E4.2, E6.2



Circuit-breakers

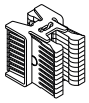
ACB Spare parts - Emax 2 E1.2, E2.2, E4.2, E6.2



2 - Single arching chamber

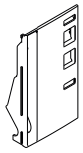
Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E2.2	3p; 4p	IEC	F; W (MP)	1SDA081430R1[(1)]		3 or 4
E4.2; E6.2	3p; 4p	IEC	F; W (MP)	1SDA081431R1[(1)]		3 or 4 for E4.2, 6 or 7 or 8 for E6.2
E2.2	3p;4p	UL	F; W(MP)	1SDA114367R1		3 or 4
E4.2 - E6.2	3p;4p	UL	F; W(MP)	1SDA114368R1		3 or 4
E4.2/E6.2 HP	3p;4p	UL	F; W(MP)	1SDA114369R1		3 or 4 for E4.2 6 or 7 or 8 for E6.2
E4.2-A / E	3p;4p	UL	F; W(MP)	1SDA114366R1		3 or 4
E2.2 /E9 HP	3p;4p	IEC	F; W(MP)	1SDA114370R1		3 or 4
E4.2/E6.2 /E9 HP	3p;4p; 4p/f	IEC	F; W(MP)	1SDA114371R1		3 or 4 for E4.2 6 or 7 or 8 for E6.2

1) Check the Serial Number before ordering.
After serial number BM41037654, Emax E2.2 IEC versions changed their arching chambers to the one used for E2.2 UL versions.
Aftert serial number BM31123914, Emax E4.2/E6.2 IEC versions changed their arching chambers to the one used for E4.2/E6.2 UL versions.



5 - 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 1600 A	3p, 4p	UL	W (FP)	1SDA114319R1		3 or 4
E2.2 2000 A	3p; 4p	UL	W (FP)	1SDA114321R1		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
E4.2/E6.2	3p; 4p; 4p/f	UL	W (FP)	1SDA114322R1		6 or 7 or 8

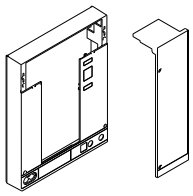


8 - Safety cover

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.

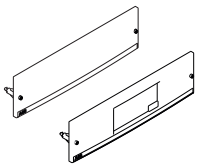
Min quantity = min quantity to complete a circuit-breaker: The quantity is related to the number of phases (3 or 4 polese) of the cirucit-breaker (E6.2 has half phases so quantities are double)



9 - Accessories Cover

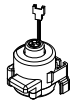
Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1.2	3p	IEC/UL	F; W (MP)	1SDA081403R1		1
E1.2	4p	IEC/UL	F; W (MP)	1SDA081404R1		1
E2.2	3p	IEC/UL	F	1SDA081433R1		1
E2.2	4p	IEC/UL	F	1SDA081434R1		1
E2.2	3p	IEC/UL	W (MP)	1SDA081435R1		1
E2.2	4p	IEC/UL	W (MP)	1SDA081436R1		1
E4.2	3p	IEC/UL	F	1SDA081437R1		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[1]	3p; 4p	IEC/UL	F; W (MP)	1SDA082145R1		1
E2.2...E6.2 - Castell[1]	3p; 4p	IEC/UL	F	1SDA082146R1		1
E2.2...E6.2 - Castell[1] KLC	3p; 4p	IEC/UL	W (MP)	1SDA082149R1		1
E2.2...E6.2 - Castell[1] KLC+ KLP	3p; 4p	IEC/UL	W (MP)	1SDA082150R1		1
E2.2...E6.2 - Castell[1] KLP	3p; 4p	IEC/UL	W (MP)	1SDA082151R1		1

Trip Reset is not included. Reuse the existing one. 1) The lock is not included



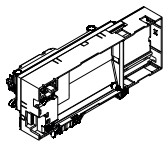
10 - Transparent cover for trip unit

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



11 - 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



12 - Main board for Trip Unit M3 - Grey platform

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

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

Circuit-breakers

ACB Spare parts - Emax 2 E1.2, E2.2, E4.2, E6.2

13 - Main board for Trip Unit M4 - Black platform

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E2.2 - E4.2 - E6.2	3p;4p	IEC/UL	F; W (MP)	1SDA107516R1[(1)]		1
E1.2	3p;4p	IEC/UL	F; W (MP)	1SDA107517R1[(1)]		1

1) For each part ordered, it is mandatory to specify the Serial number of the circuit-breaker it is intended for.
Loss of 1% accuracy feature replacing mainboard. Contact ABB S.p.A for more information.

14 - HMI Trip Unit M3 - Grey platform

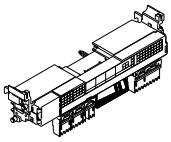
Size	Type	IEC/UL	Code	Type spare	Min quantity
E1.2..E6.2	Ekip Dip LI	IEC/UL	1SDA074194R1		1
E1.2..E6.2	Ekip Dip LSI	IEC/UL	1SDA074195R1		1
E1.2..E6.2	Ekip Dip LSIG	IEC/UL	1SDA074196R1		1
E1.2..E6.2	Ekip Touch LI	IEC/UL	1SDA074197R1		1
E1.2..E6.2	Ekip Touch LSI	IEC/UL	1SDA074198R1		1
E1.2..E6.2	Ekip Touch LSIG	IEC/UL	1SDA074199R1		1
E1.2..E6.2[a)]	Ekip G Touch LSIG	IEC/UL	1SDA074200R1		1
E1.2..E6.2[a)]	Ekip Hi-Touch LSI	IEC/UL	1SDA074201R1		1
E1.2..E6.2[a)]	Ekip Hi-Touch LSIG	IEC/UL	1SDA074202R1		1
E1.2..E6.2[a)]	Ekip G Hi-Touch LSIG	IEC/UL	1SDA074203R1		1
E1.2..E6.2[a)]	Ekip LCD LI	IEC/UL	1SDA074204R1		1
E1.2..E6.2[a)]	Ekip LCD LSI	IEC/UL	1SDA074205R1		1
E1.2..E6.2[a)]	Ekip LCD LSIG	IEC/UL	1SDA074206R1		1
E1.2..E6.2[a)]	Ekip G LCD LSIG	IEC/UL	1SDA074207R1		1
E1.2..E6.2[a)]	Ekip Hi-LCD LSI	IEC/UL	1SDA074208R1		1
E1.2..E6.2[a)]	Ekip Hi-LCD LSIG	IEC/UL	1SDA074209R1		1
E1.2..E6.2[a)]	Ekip G Hi-LCD LSIG	IEC/UL	1SDA074210R1		1

a) provided without Ekip Measuring/Ekip Measuring Pro.

15 - HMI Trip Unit M4 - Black platform

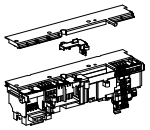
Size	Type	IEC/UL	Code	Type spare	Min quantity
E1.2..E6.2	Ekip Dip LI (Black)	IEC/UL	1SDA107526R1		1
E1.2..E6.2	Ekip Dip LSI (Black)	IEC/UL	1SDA107527R1		1
E1.2..E6.2	Ekip Dip LSIG (Black)	IEC/UL	1SDA107528R1		1
E1.2..E6.2	Ekip Touch LI (Black)	IEC/UL	1SDA107529R1		1
E1.2..E6.2	Ekip Touch LSI (Black)	IEC/UL	1SDA107530R1		1
E1.2..E6.2	Ekip Touch LSIG (Black)	IEC/UL	1SDA107531R1		1
E1.2..E6.2[a)]	Ekip Hi-Touch LSI (Black)	IEC/UL	1SDA107532R1		1
E1.2..E6.2[a)]	Ekip Hi-Touch LSIG (Black)	IEC/UL	1SDA107533R1		1
E1.2..E6.2[a)]	Ekip G Touch LSIG (Black)	IEC/UL	1SDA107534R1		1
E1.2..E6.2[a)]	Ekip G Hi-Touch LSIG (Black)	IEC/UL	1SDA107535R1		1
E1.2..E6.2[a)]	Ekip LCD LI (Black)	IEC/UL	1SDA107536R1		1
E1.2..E6.2[a)]	Ekip LCD LSI (Black)	IEC/UL	1SDA107537R1		1
E1.2..E6.2[a)]	Ekip LCD LSIG (Black)	IEC/UL	1SDA107538R1		1
E1.2..E6.2[a)]	Ekip Hi-LCD LSI (Black)	IEC/UL	1SDA107539R1		1
E1.2..E6.2[a)]	Ekip Hi-LCD LSIG (Black)	IEC/UL	1SDA107540R1		1
E1.2..E6.2[a)]	Ekip G LCD LSIG (Black)	IEC/UL	1SDA107541R1		1
E1.2..E6.2[a)]	Ekip G Hi-LCD LSIG (Black)	IEC/UL	1SDA107542R1		1

a) provided without Measurement Enabler/Measurement Enabler with voltage sockets.
Loss of 1% of accuracy replacing mainboard. Contact ABB S.p.A for more information.



16 - 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
E1.2 MS	3p	IEC/UL	W(MP)	1SDA115571R1		1
E1.2 MS	4p	IEC/UL	W(MP)	1SDA115572R1		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



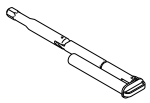
17 - Terminal box connection interface

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



19 - 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



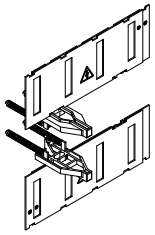
22 - Racking in and out lever

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



23 - 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



25 - 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	3p	UL	W (FP)	1SDA114341R1		1
E1.2	4p	IEC	W (FP)	1SDA081412R1		1
E1.2	4p	UL	W (FP)	1SDA114342R1		1
E2.2	3p	IEC	W (FP)	1SDA081457R1		1
E2.2	3p	UL	W (FP)	1SDA114323R1		1
E2.2	4p	IEC	W (FP)	1SDA081458R1		1
E2.2	4p	UL	W (FP)	1SDA114324R1		1
E4.2	3p	IEC	W (FP)	1SDA081459R1		1
E4.2	3p	UL	W (FP)	1SDA114325R1		1
E4.2	4p	IEC	W (FP)	1SDA081460R1		1
E4.2	4p	UL	W (FP)	1SDA114326R1		1
E6.2	3p	IEC	W (FP)	1SDA081461R1		1
E6.2 4000A-5000A	3p	UL	W (FP)	1SDA114327R1		1
E6.2	4p	IEC	W (FP)	1SDA081462R1		1
E6.2	4p	UL	W (FP)	1SDA114328R1		1
E6.2	4p/f	IEC	W (FP)	1SDA081463R1		1
E6.2 6000A	3p/f	UL	W (FP)	1SDA115930R1		1
E6.2	4p/f	UL	W (FP)	1SDA114329R1		1

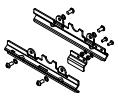
Circuit-breakers

ACB Spare parts - Emax 2 E1.2, E2.2, E4.2, E6.2



26 - Earth sliding contact for fixed part

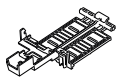
Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E2.2; E4.2; E6.2	3p; 4p	IEC/UL	W (FP)	1SDA081465R1		1



27 - Earth sliding contact for moving part and supports

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E2.2; E4.2; E6.2(1)	3p	IEC/UL	W (MP)	1SDA127184R1		1
E2.2; E4.2; E6.2(2)	3p; 4p	IEC/UL	W (MP)	1SDA081464R1		1

1) it's valid for CB with Serial Number before CF21180838
2) it's valid for CB with Serial Number after CF21180838 (INCLUDED)



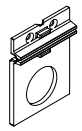
28 - Cover for right plate for accessories (Right MID cover)

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



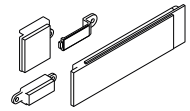
30 - Fixing screws kit - 50 pcs

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



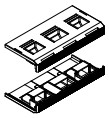
33 - Sensors plastic covers

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



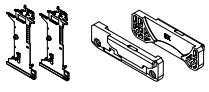
36 - Kit front cover plugs - TU Reset button included

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



39 - 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



43 - 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

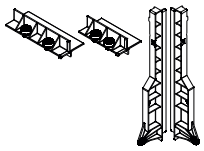


45 - ACB floor crane

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

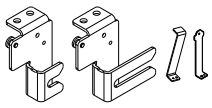
Circuit-breakers

ACB Spare parts - Emax 2 E1.2, E2.2, E4.2, E6.2



47 - Back flange

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E2.2 900-1150V	3p	IEC	F	1SDA113072R1		1
E2.2 900-1150V	4p	IEC	F	1SDA113073R1		1
E4.2 900-1150V	3p	IEC	F	1SDA113074R1		1
E4.2 900-1150V	4p	IEC	F	1SDA113075R1		1
E6.2 900-1150V	3p	IEC	F	1SDA113076R1		1
E6.2 900-1150V	4p	IEC	F	1SDA113077R1		1



48 - Interlock sledge

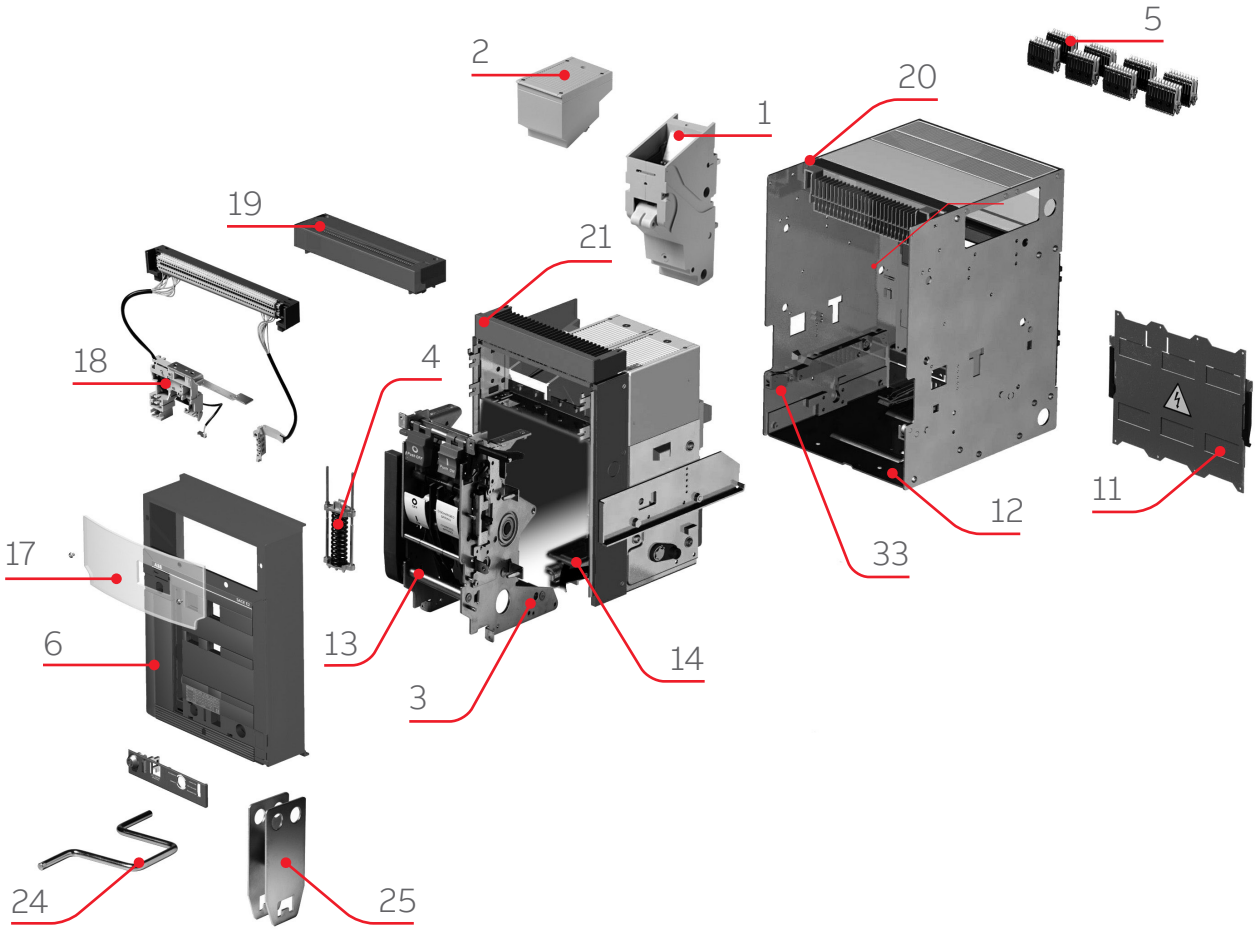
Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1.2 rack-in W fixed part	3p; 4p	IEC/UL	W(FP)	1SDA114372R1		1
E1.2 rack-in fixed breaker	3p; 4p	IEC/UL	F	1SDA114373R1		1
E2.2 E4.2 E6.2 rack-in	3p; 4p	IEC/UL	W(FP)	1SDA114374R1		1
E2.2 E4.2 E6.2 rack-in and test	3p; 4p	IEC/UL	W (FP)	1SDA114375R1		

49 - Rejection pins

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1.2	3p; 4p	IEC/UL	W	1SDA114831R1		1

Circuit-breakers

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





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



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	W (FP)	1SDA047824R1		1
E2S; E2S-A; E2H-A - 8 pcs	3p, 4p	IEC/UL	W (FP)	1SDA063400R1		1
E3N; E3S; E3H; E3V; E3L - 8 pcs	3p, 4p	IEC/UL	W (FP)	1SDA047825R1		1
E4S; E4H; E4V - 8 pcs	3p, 4p, 4p/f	IEC/UL	W (FP)	1SDA063400R1		2
E6H; E6V - 8 pcs	3p, 4p, 4p/f	IEC/UL	W (FP)	1SDA047825R1		2



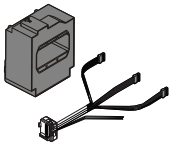
6 - Main shield and lateral covers [1]

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; E6X	3p	IEC/UL	F; W (MP)	1SDA058327R1		1
E6H; E6V; E6X	4p	IEC/UL	F; W (MP)	1SDA058328R1		1
E6H; E6X	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. 1) Key lock is not included

Circuit-breakers

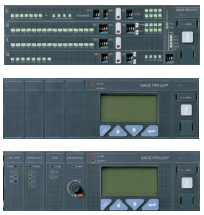
ACB Spare parts - New Emax E1, E2, E3, E4, E6



7 - Measuring chain - Sensors - Part 1/4 [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 measuremetn chain for New Emax file. Without it the order will not be processed.
Document number: 9AKK106713A3574
link: https://library.e.abb.com/public/fdda886a2d2443218531a758cd5a4f14/MEASUREMENT%20CHAIN%20for%20New%20Emax%20-%20EN%20.xls



8 - Measuring chain - Trip unit - Part 2/4 [3]

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

1) PR120/V included
3) to be ordered with Part 1/3 and Part 3/3 if needed, otherwise Trip unit can be ordered as standalone (codes from New Emax catalogue)



9 - Measuring chain - Rating plug - Part 3/4 [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



11 - 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



12 - Earth sliding contact

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



15 - 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

16 - Downgrade set for "MS" version

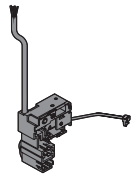
Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1...E6	3p; 4p; 4p/f	IEC	F; W (MP)	1SDA059916R1		1

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



17 - 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



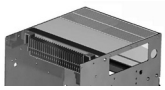
18 - I1/I4 mechanical flag (trip coil included)

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



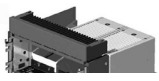
19 - Aux board for fixed breaker

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



20 - 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 (FP)	1SDA063402R1		1



21 - 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

Circuit-breakers

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

22 - 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

23 - 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



24 - Winding lever

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

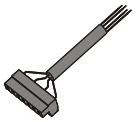


25 - Lifting plates set

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

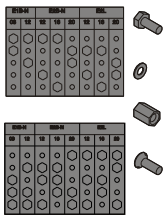
26 - Main shield for RONIS key lock

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



27 - 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



35 - 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



36 - 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

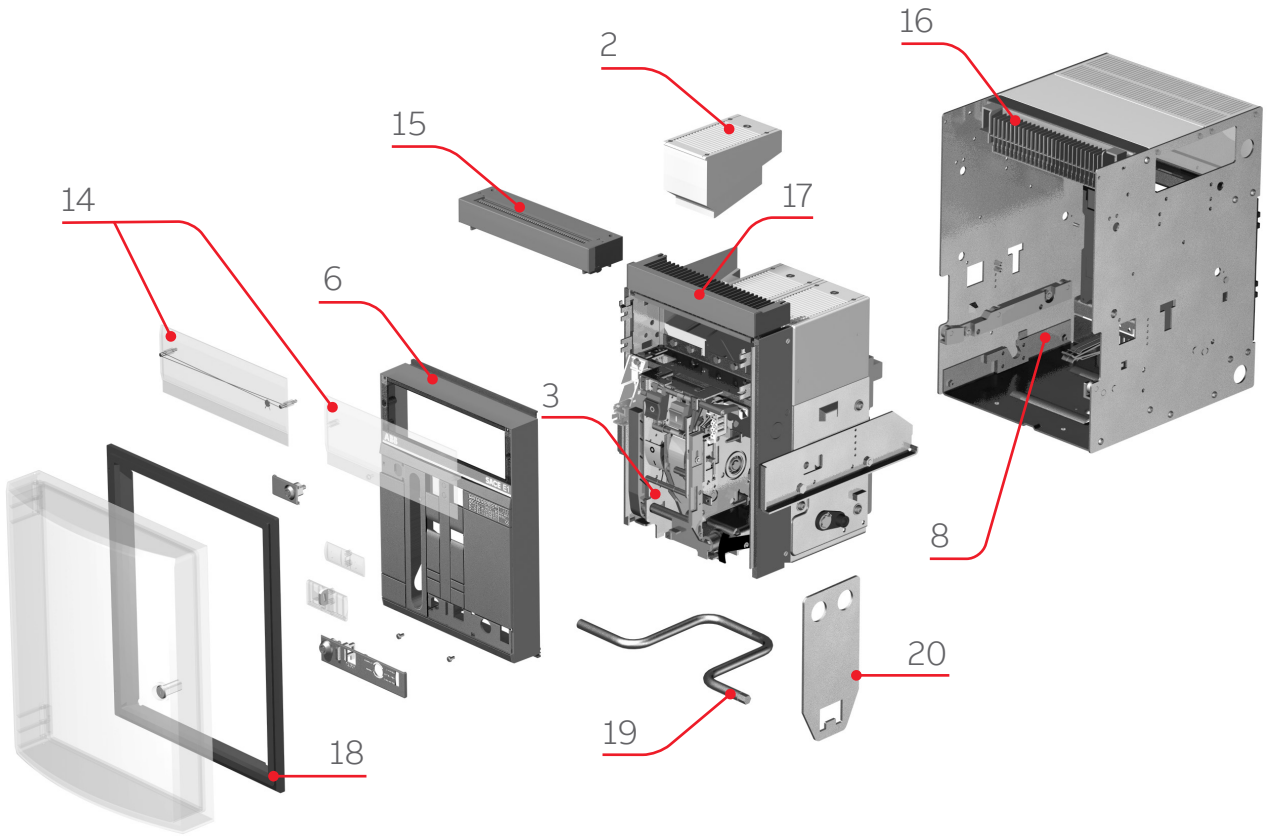
Chains and ropes are not included

38 - Ekip T&P Emax adapter cable E1...E6

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1, E2, E3, E4, E6	3p; 4p	IEC/UL	F; W (MP)	1SDA132683R1		1

Circuit-breakers

ACB Spare parts - Emax E1, E2, E3, E4, E6



Circuit-breakers

ACB Spare parts - Emax E1, E2, E3, E4, E6



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



5 - Jaw contacts set

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1B; E1N (8 psc)	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



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

10 - PR120/B (1)

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

1) limited availability - check availability before ordering



12 - Coils support

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

13 - Downgrade set for "MS" version

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



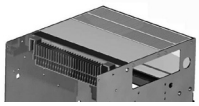
14 - Transparent protection for overcurrent release

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



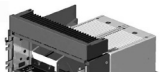
15 - Aux board for fixed breaker

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(1)

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

1) Key lock is not included

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

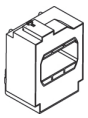
Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1...E6 - Electrical tripped indication I1/4[1]	3p/4p	IEC	F; W(MP)	1SDA038338R1		1
E1...E6 - mechanical indication	3p/4p	IEC	F; W(MP)	1SDA038337R1		

1) 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 - 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



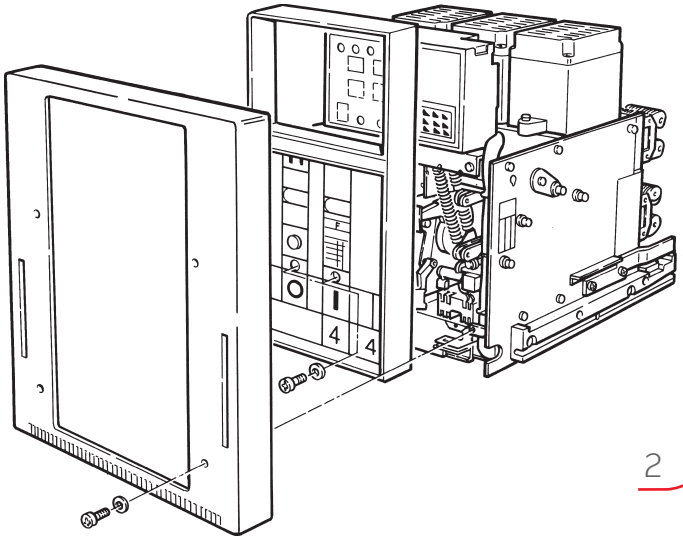
30 - ACB floor crane

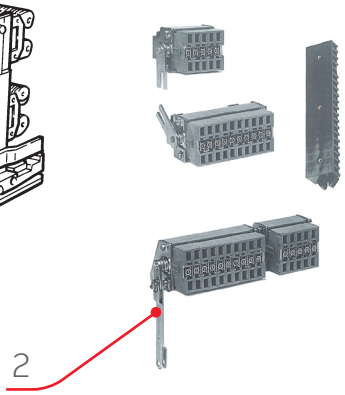
Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
E1, E2, E3, E4, E6	3p; 4p	IEC/UL	F; W (MP)	1SDA103910R1		1

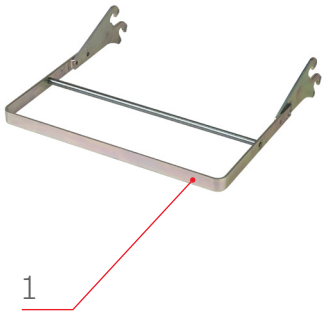
Chains and ropes are not included

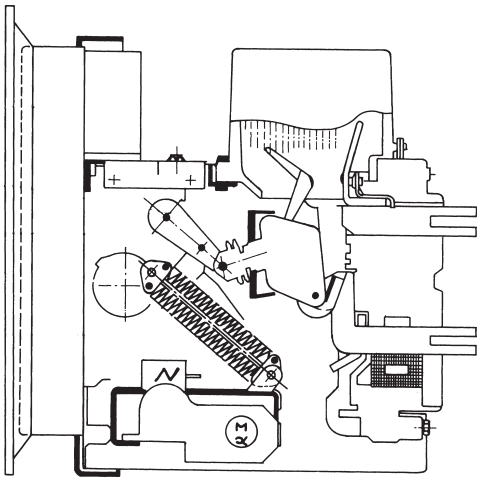
Circuit-breakers

ACB Spare parts - Megamax F1, F2, F3, F4, F5, F6





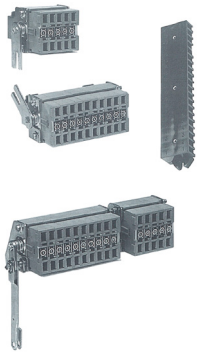






1 - Draw in/out lever for open door mechanism

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



2 - AUX

Size	Poles	Version	Code	Type spare	Min quantity
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
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 - 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
F3; F4; F5; F6 - Lever for Right AUX - test/ connected	3p/4p	W (FP)	UXAB239360930		1

Before ordering Megamax spare parts, verify availability contacting ABB S.p.A

Limited availability - check availability before ordering

Circuit-breakers

ACB Spare parts - Megamax F1, F2, F3, F4, F5, F6

3 - 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 - Left sliding contacts	3p/4p	W (FP)	UXAB239266020		1
F3 - Right sliding contacts	3p/4p	W (FP)	UXAB239366002		1
F3 - Left sliding contacts	3p/4p	W (FP)	UXAB239366020		1
F4; F5; F6 - Right sliding contacts	3p/4p	W (FP)	UXAB239466002		1

4 - 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



5 - ACB floor crane

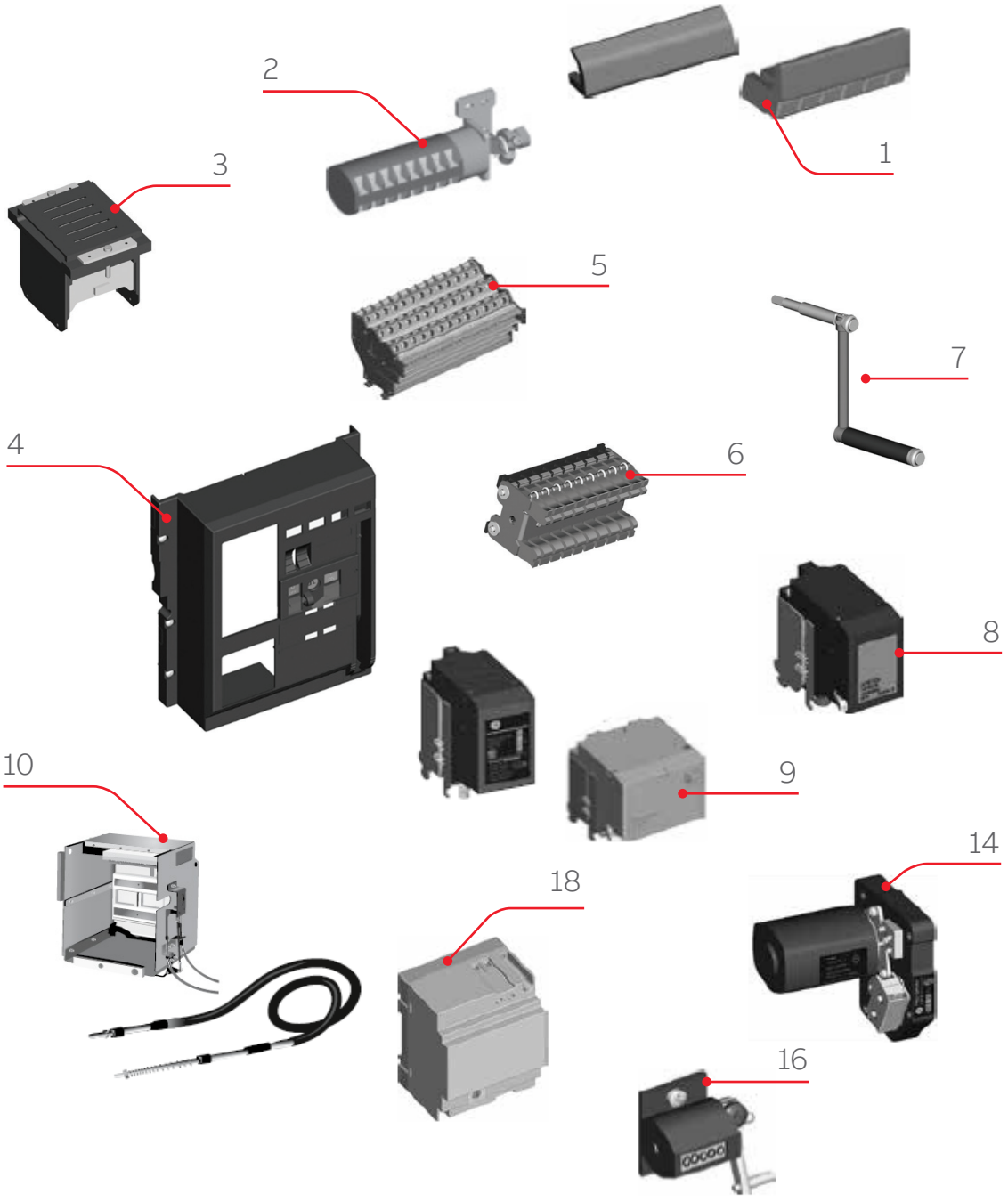
Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
F1,F2,F3,F4,F5,F6	3p; 4p	IEC/UL	F; W (MP)	1SDA103910R1		1

Chains and ropes are not included

Before ordering Megamax spare parts, verify availability contacting ABB S.p.A

Limited availability - check availability before ordering

Circuit-breakers
ACB Spare parts - EntelliGuard G



Family	Suitable for
EG	All kind of EntelliGuard
EG1	EntelliGuard G - Frame 1
EG2	EntelliGuard G - Frame 2
EG3	EntelliGuard G - Frame 3
EG-T	EntelliGuard T only
EGL	EntelliGuard L only
Mpact	Mpact

Circuit-breakers

ACB Spare parts - EntelliGuard G



1 - Arcing contacts

Family	Description	Order nr.	Cat. nr.	ABB SKU	Type spare	Min quantity
EG1	Ent. Guard Set Fixed Arc. Cont. 1p EG1 S & N type	408104	G20NARC	7GSP008095R0003		(1)
EG	Ent. Guard Set Fixed Arc. Cont. 1p EG2 H & M types	408169	G40MARC	7GSP007299R0003		(1)
EG-T	Ent. Guard Set Fixed Arc. Cont. 1p EG-T	444802	GT16KARC	7GSP008511R0003		(1)

1) According by number of poles (3/4/6/8)



2 - Aux contacts

Family	Description	Order nr.	Cat. nr.	ABB SKU	Type spare	Min quantity
EG	Ent. Guard Aux Switch set 3NO+3NC (PR) & 2NO+2NC (SR)	407881	GAS5R	7GSP008063R0003		1
EG	Ent. Guard Aux Switch set 8NO+8NC	407882	GAS6R	7GSP008064R0003		1
EG	Ent. Guard Aux Switch set 4NO+4NC (PR) & 4NO+4NC (SR)	407883	GAS8R	7GSP007264R0003		1
EG	Ent. Guard T Aux Switch set 4NO+4NC	444659	GTAS4R	7GSP008491R0003		1



3 - Breaker arc chutes

Family	Description	Order nr.	Cat. nr.	ABB SKU	Type spare	Min quantity
EG1	Ent. Guard Set of Arc. Chute 1p EG1	408102	G20HCHT	7GSP007295R0003		(1)
EG2	Ent. Guard Set of Arc. Chute 1p EG2	408131	G40MCHT	7GSP008098R0003		(1)
EG-T	Ent. Guard Set of Arc. Chute 1p EG-T	444801	GT16KCHT	7GSP008270R0003		(1)

1) According by number of poles (3/4/6/8)



4 - Breaker front facial part

Family	Description	Order nr.	Cat. nr.	ABB SKU	Type spare	Min quantity
EG	Ent. Guard front facial 3p	408028 (1)	GFA4	7GSP008081R0003		1

1) Label is not included. Reuse the existing one



5 - Breakers and cassette spare auxiliary disconnect plugs

Family	Description	Order nr.	Cat. nr.	ABB SKU	Type spare	Min quantity
EG	Ent. Guard Aux, Disconn. Top Drw. 39 term. (spare)	408053	GSDWTR	7GSP007287R0003		1
EGT	Ent. Guard Aux, Disconn. Top Drw. 39 term. (spare)	444259 (1)	GTSDWTR	7GSP008602R0003		1

1) Frames 1, 2 and 3 - two can be mounted



6 - Cluster Contacts

Family	Description	Order nr.	Cat. nr.	ABB SKU	Type spare	Min quantity
EG1	Ent. Guard Set of Clus.Cont. 1p EG1 400-1250A st.	408097	G13HCLS	7GSP008092R0003		(1)
EG1	Ent. Guard Set of Clus.Cont. 1p EG1 1600A st.	408100	G16HCLS	7GSP007294R0003		(1)
EG1	Ent. Guard Set of Clus.Cont. 1p EG1 2000A st.	408103	G20HCLS	7GSP008094R0003		(1)
EG2	Ent. Guard Set of Clus.Cont. 1p EG2 2000A st.	408106	G20MCLS	7GSP007296R0003		(1)
EG2	Ent. Guard Set of Clus.Cont. 1p EG2 2500A st.	408109	G25MCLS	7GSP008096R0003		(1)
EG2	Ent. Guard Set of Clus.Cont. 1p EG2 3200A st.	408117	G32MCLS	7GSP008097R0003		(1)
EG2	Ent. Guard Set of Clus.Cont. 1p EG2 4000A st.	408120	G40MCLS	7GSP007805R0003		(1)
EG-T	Ent. Guard Set of Clus.Cont. 1p EG-T	444800	GT16KCLS	7GSP008510R0003		(1)
EG - Mpact	Ent. Guard Set of Cluster Pliers	408047	GUNI	7GSP008084R0003		1

1) According by number of poles (3/4/6/8)



7 - Cassette racking handle

Family	Description	Order nr.	Cat. nr.	ABB SKU	Type spare	Min quantity
EG	Ent. Guard Spare racking handle	408043	GRHN	7GSP007799R0003		1
EG-T	Ent. Guard EG-T Spare racking handle	444803	GTRHN	7GSP008636R0003		1



8 - Closing coils

Family	Description	Order nr.	Cat. nr.	ABB SKU	Type spare	Min quantity
EG	Ent. Guard stand. Clos.Coil kit 24V DC	407860	GCCN024DR	7GSP008055R0003		1
EG	Ent. Guard stand. Clos.Coil kit 40-48V AC-48V DC	407862	GCCN048R	7GSP008057R0003		1
EG	Ent. Guard stand. Clos.Coil kit 110-130V AC-DC	407866	GCCN120R	7GSP007773R0003		1
EG	Ent. Guard stand. Clos.Coil kit 220-240V AC-DC	407868	GCCN240R	7GSP008060R0003		1

1) The command closing coil is only available in the combination with 3NO and 3NC auxiliary contacts for frame T.
The command closing coil does not come with push-button for EntelliGuard T frame.
Optionally the command closing coil can be accessed via the trip unit (communication bus).



9 - Releases

Family	Description	Order nr.	Cat. nr.	ABB SKU	Type spare	Min quantity
EG	Ent.Guard Shunt Release (non-cont.) 110-120V	407792(1)	GSST120R	7GSP007762R0003		1
EG	Ent.Guard Shunt Release (cont.) 24V DC	407771	GSTR024DR	7GSP007244R0003		1
EG	Ent.Guard Shunt Release (cont.) 40-48V AC-48V DC	407773	GSTR048R	7GSP007759R0003		1
EG	Ent.Guard Shunt Release (cont.) 110-130V AC-DC	407777	GSTR120R	7GSP007501R0003		1
EG	Ent.Guard Shunt Release (cont.) 220-240V AC-DC	407779	GSTR240R	7GSP008040R0003		1
EG	Ent.Guard UVR. Release 24V DC	407796	GUVT024DR	7GSP008044R0003		1
EG	Ent.Guard UVR. Release 110-130V AC-DC	407802	GUVT120R	7GSP007253R0003		1
EG	Ent.Guard UVR. Release 220-240V AC- DC	407804	GUVT240R	7GSP007512R0003		1

1) Must be used with an auxiliary contact



10 - Field mountable cables for interlocking of breakers

Family	Description	Order nr.	Cat. nr.	ABB SKU	Type spare	Min quantity
EG	Ent.Guard G. 2 way int. 'A-D' drawout 1 per brk.	407901 (1)	GI2WAD	7GSP007524R0003		1
EG	Ent.Guard G. 3 way int. 'C' drawout 1 per brk.	407905 (1)	GI3WC	7GSP008071R0003		1
EG	Ent.Guard Interlock cable length 2 metre	407992	GCB3	7GSP007534R0003		1
EG	Ent.Guard Interlock cable length 3 metre	407994	GCB5	7GSP007794R0003		1

1) To be ordered in combination with cable 407992 or 407994, according with lenght needed

Circuit-breakers

ACB Spare parts - EntelliGuard G



11 - GT

Family	Description	Order nr.	Cat. nr.	ABB SKU	Type spare	Min quantity
EG	EG. GT-E LT, ST & GF (spare)	408802(1)	GTG00K2XXSRXXXX	7GSP008157R0003		1
EG	EG. GT-N LT, ST, I+, GF, ZSI, Met, Mbs., RELT (spare)	408819(1)	GTG00K4T6SRXXXX	7GSP007446R0003		1
EG	GT-H LT+, ST,I, GF+, ZSI, Met-Rel. Mbs.(spare)	408849(1)	GTG00N5T8SRXXXX	7GSP007905R0003		1
EG	GT-H LT+, ST, I+, GF+, ZSI, Met-Rel.Mbs.(spare)	408851(1)	GTG00N7T8SRXXXX	7GSP008170R0003		1
EG	EG. GT-S LT, ST, I+,GF,MBS.(SPR) EGG	408809(1)	GTG00K4XX2XXXSR	7GSP007444R0003		1

1) Order only according with your type of GT- 1) (E/N/S/H). This is the most complete version with all functionality. Use manual DEH 41358 (page 2-54) for replacing and first setting.
Mbs=Modbus



12 - GT - Accessories

Family	Description	Order nr.	Cat. nr.	ABB SKU	Type spare	Min quantity
EG	GT Full Range Rating Plug	408860	GTPUNI	7GSP008172R0003		1
EG	Aux. Power Supply GTU 24V	408789	GAPU	7GSP007637R0003		1
EG	Conditioning GTU 1 phase 220-230V	408790	GMPU1	7GSP008154R0003		1
EG-Mpact	Ent. Guard Trip unit Battery tester & Setup unit	407999	GTUTK20	7GSP013423R0005		1



13 - Indication Contacts

Family	Description	Order nr.	Cat. nr.	ABB SKU	Type spare	Min quantity
EG	Ent. Guard Bell Alarm PR TRIP 1 CO (field)	407889	GBAT1R	7GSP007265R0003		1
EG	Ent. Guard Breaker Ready to Close indication 1 NO PR (mtd.)	407897	GRTC1	7GSP007781R0003		1



14 - Locking mechanisms

Family	Description	Order nr.	Cat. nr.	ABB SKU	Type spare	Min quantity
EG	Ent. Guard Castell Break. interlock loose	407967	GBCASR	7GSP007274R0003		1
EG	Ent. Guard Profalux Break. interlock loose	407979	GBPROR	7GSP007791R0003		1
EG	Ent. Guard Ronis Break. interlock loose	407968	GBRONR	7GSP007530R0003		1
EG	Ent. Guard G Ronis Chass. interlock loose	407974	GCRONR	7GSP007790R0003		1
EG	Push Button Padlock	444782		7GSP008386R0003		1



15 - Motor operators

Family	Description	Order nr.	Cat. nr.	ABB SKU	Type spare	Min quantity
EG1	Ent. Guard Motor Op. EG1 & EL2 110-130V DC	407707	GM01110DR	7GSP008028R0003		1
EG1	Ent. Guard Motor Op. EG1 & EL2 220-240V AC	407715	GM01240AR	7GSP007490R0003		1
EG1	Ent. Guard Motor Op. EG1 250V DC	407709	GM01250DR	7GSP007487R0003		1
EG2-3	Ent. Guard Motor Op. EG2-3 24- 30V DC	407726	GM02024DR	7GSP007237R0003		1
EG2-3	Ent. Guard Motor Op. EG2-3 48V DC	407728	GM02048DR	7GSP007495R0003		1
EG2-3	Ent. Guard Motor Op. EG2-3 110-130V DC	407732	GM02110DR	7GSP007496R0003		1
EG2-3	Ent. Guard Motor Op. EG2-3 220V DC	407723	GM02220DR	7GSP007493R0003		1
EG2-3	Ent. Guard Motor Op. EG2-3 220-240V AC	407740	GM02240AR	7GSP007498R0003		1
EG2-3	Ent. Guard Motor Op. EG2-3 250V DC	407734	GM02250DR	7GSP008035R0003		1
EG-T	Ent. Guard Motor Op. EG-T 110-130V AC	444648	GMT0120AR	7GSP008489R0003		1
EG-T	Ent. Guard Motor Op. EG-T 220-240V AC	444649	GMT0240AR	7GSP008237R0003		1



16 - Operation Counter

Family	Description	Order nr.	Cat. nr.	ABB SKU	Type spare	Min quantity
EG	Ent. Guard Operation counter	408033	GMCNR	7GSP008082R0003		1



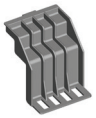
17 - Position indication contacts cassette

Family	Description	Order nr.	Cat. nr.	ABB SKU	Type spare	Min quantity
EG	Ent. Guard Cassete indic. Switch 1 NO/1 NC per pos.	407924	GCPS1R	7GSP007786R0003		1
EG	Ent. Guard Cassete indic. Switch 2 NO/2 NC per pos.	407925	GCPS2R	7GSP007271R0003		1
EG	Ent. Guard Cassete indic. Switch 1 NO/1 NC per pos.	444791	GTCPS1R	7GSP008387R0003		1



18 - Time delay module for UVR release (TDM)

Family	Description	Order nr.	Cat. nr.	ABB SKU	Type spare	Min quantity
EG	Ent. Guard Delay mod. TDM for UV 220-240V AC	407820	GTDM240A	7GSP007764R0003		1

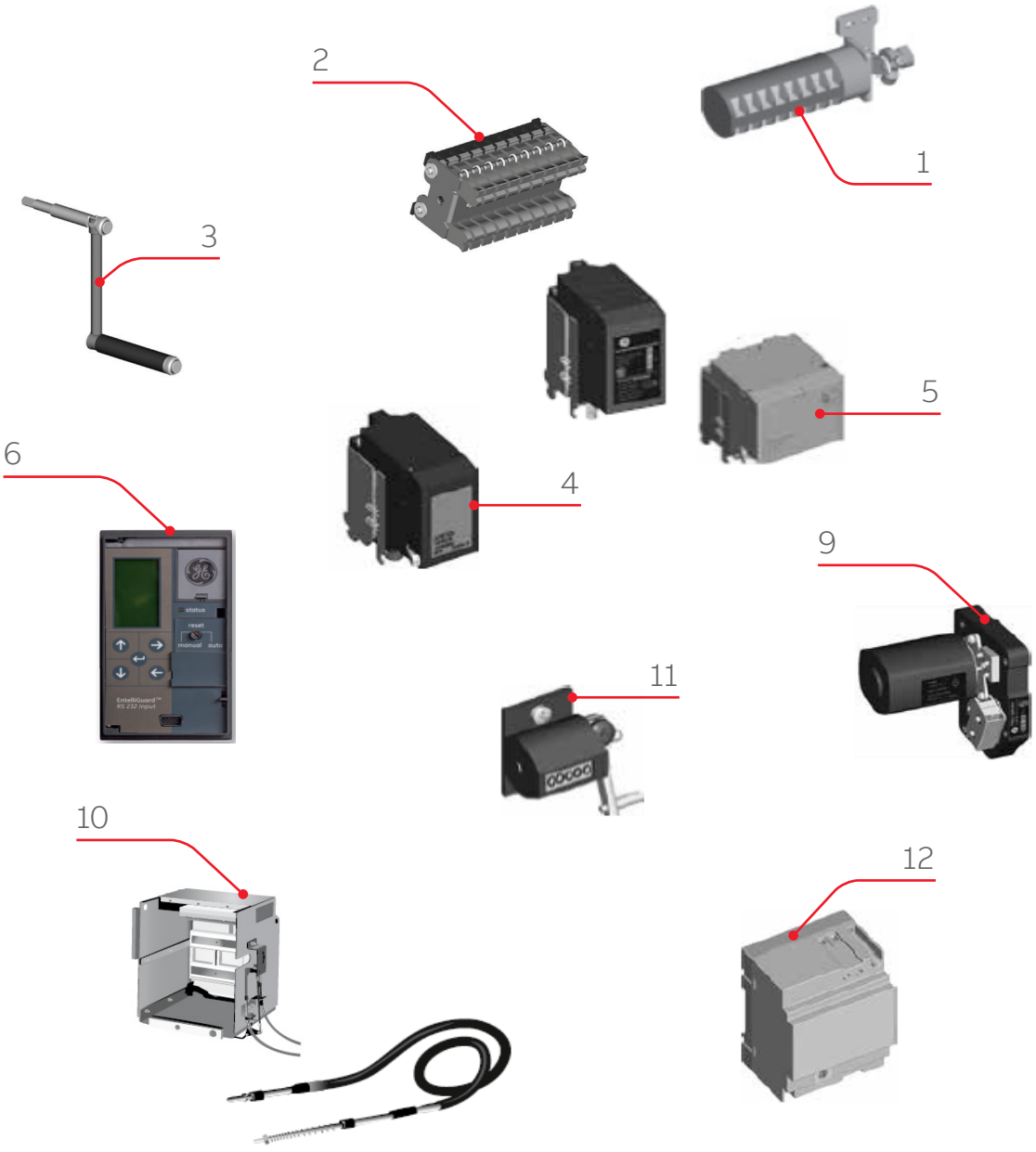


19 - Tools

Family	Description	Order nr.	Cat. nr.	ABB SKU	Type spare	Min quantity
EG	Ent. Guard Contact Wear Indicator env.1-3	408036	GCNTW	7GSP008083R0003		1

Circuit-breakers

ACB Spare parts - EntelliGuard L



Family	Suitable for
EG	All kind of EntelliGuard
EG1	EntelliGuard G - Frame 1
EG2	EntelliGuard G - Frame 2
EG3	EntelliGuard G - Frame 3
EG-T	EntelliGuard T only
EGL	EntelliGuard L only
Mpact	Mpact



1 - Aux contacts

Family	Description	Order nr.	Cat. nr.	ABB SKU	Type spare	Min quantity
EGL	Ent. Guard L Aux Switch set 4NO+4NC	444209	LAS4R	7GSP023328R0003		1





2 - Cluster contacts

Family	Description	Order nr.	Cat. nr.	ABB SKU	Type spare	Min quantity
EGL	Ent. Guard Set of Clus. Cont. 1p EL1 400-1250A st.	444405	L13NCLS	7GSP023317R0003		(1)
EGL	Ent. Guard Set of Clus. Cont. 1p EL1 1600A st.	444406	L16NCLS	7GSP023185R0003		(1)
EGL	Ent. Guard Set of Clus. Cont. 1p EL1 2000-2500A st.	444408	L25NCLS	7GSP023319R0003		(1)
EGL	Ent. Guard Set of Clus. Cont. 1p EL2 2000-4000A st.	444409	L40DCLS	7GSP023356R0003		(1)
EG - Mpact	Ent. Guard Set of Cluster Pliers	408047	GUNI	7GSP008084R0003		1

1) According to the number of poles (3/4/6/8)



3 - Cassette racking handle

Family	Description	Order nr.	Cat. nr.	ABB SKU	Type spare	Min quantity
EGL	Ent. Guard L Spare racking handle	444412	LRHN	7GSP023357R0003		1



4 - Closing coils

Family	Description	Order nr.	Cat. nr.	ABB SKU	Type spare	Min quantity
EG	Ent. Guard stand. Clos. Coil kit 24V DC	407860	GCCN024DR	7GSP008055R0003		1
EG	Ent. Guard stand. Clos. Coil kit 110-130V AC-DC	407866	GCCN120R	7GSP007773R0003		1
EG	Ent. Guard stand. Clos. Coil kit 220-240V AC-DC	407868	GCCN240R	7GSP008060R0003		1



5 - Releases

Family	Description	Order nr.	Cat. nr.	ABB SKU	Type spare	Min quantity
EG	Ent. Guard Shunt Release (cont.) 24V DC	407771	GSTR024DR	7GSP007244R0003		1
EG	Ent. Guard Shunt Release (cont.) 40-48V AC-48V DC	407773	GSTR048R	7GSP007759R0003		1
EG	Ent. Guard Shunt Release (cont.) 110-130V AC-DC	407777	GSTR120R	7GSP007501R0003		1
EG	Ent. Guard Shunt Release (cont.) 220-240V AC-DC	407779	GSTR240R	7GSP008040R0003		1
EG	Ent. Guard UVR Release 24V DC	407796	GUVT024DR	7GSP008044R0003		1
EG	Ent. Guard UVR Release 110-130V AC-DC	407802	GUVT120R	7GSP007253R0003		1
EG	Ent. Guard UVR Release 220-240V AC- DC	407804	GUVT240R	7GSP007512R0003		1



6 - GT

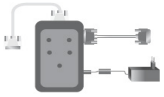
Family	Description	Order nr.	Cat. nr.	ABB SKU	Type spare	Min quantity
EGL	Trip Unit_LT_ST_I_GF	444263(1)	LTG00K3XXSFXXXX	7GSP023053R0003		1

1) Suitable for replace all kind of GT-L trip unit. Use manual for installation and first setting

Circuit-breakers

ACB Spare parts - EntelliGuard L







7 - GT- Accessories

Family	Description	Order nr.	Cat. nr.	ABB SKU	Type spare	Min quantity
EG	Aux. Power Supply GTU 24V	408789	GAPU	7GSP007637R0003		1
EG-Mpact	Ent.Guard Trip unit Battery tester & Setup unit	407999	GTUTK20	7GSP013423R0005		1

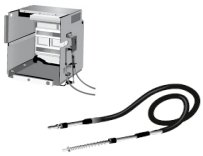
8 - Indication contacts

Family	Description	Order nr.	Cat. nr.	ABB SKU	Type spare	Min quantity
EGL	Ent. Guard L Bell Alarm TRIP 1 CO	444210	LBAT1R	7GSP023243R0003		1
EG	Ent. Guard Breaker Ready to Close indication 1 NO PR (mtd.)	407897	GRTC1	7GSP007781R0003		1



9 - Motor operators

Family	Description	Order nr.	Cat. nr.	ABB SKU	Type spare	Min quantity
EG1	Ent. Guard Motor Op. EG1 & EL2 110-130V DC	407707	GM01110DR	7GSP008028R0003		1
EG	Ent. Guard Motor Op. EG1 & EL2 110-130V AC	407713	GM01120AR	7GSP008031R0003		1
EG1	Ent. Guard Motor Op. EG1 & EL2 220-240V AC	407715	GM01240AR	7GSP007490R0003		1
EGL	Motor Operator: 240V AC	444194	LM01240A	7GSP023142R0003		1



10 - Mounted Interlocks for cables

Family	Description	Order nr.	Cat. nr.	ABB SKU	Type spare	Min quantity
EGL	Ent. Guard L. 2 way int. 'A-D' drawout 1 per brk.	444222[1]	LI2WAD	7GSP023246R0003		1
EG	Ent. Guard Interlock cable length 2 metre	407992	GCB3	7GSP007534R0003		1
EG	Ent. Guard Interlock cable length 3 metre	407994	GCB5	7GSP007794R0003		1

1) To be ordered in combination with cable 407992 or 407994, according with lenght needed



11 - Operation counter

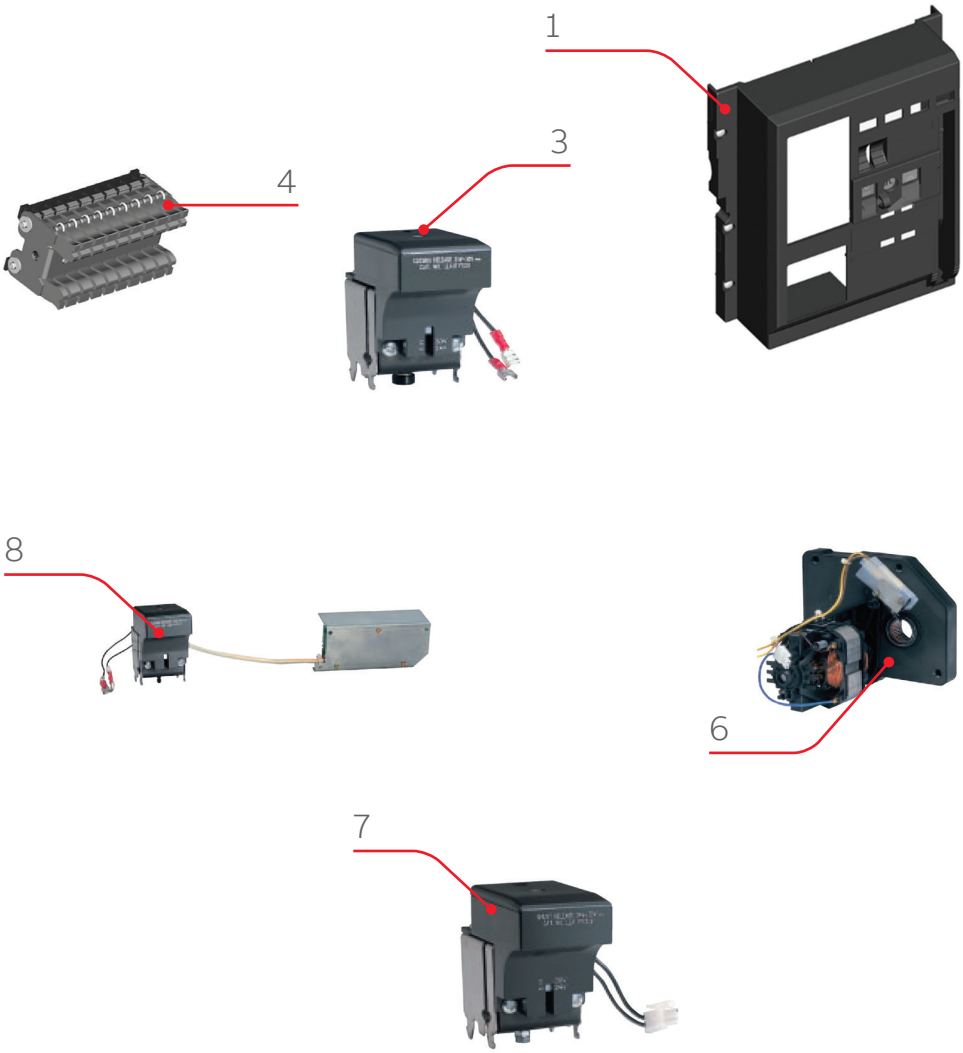
Family	Description	Order nr.	Cat. nr.	ABB SKU	Type spare	Min quantity
EG	Ent. Guard Operation counter	408033	GMCNR	7GSP008082R0003		1



12 - Time delay module for UVR release (TDM)

Family	Description	Order nr.	Cat. nr.	ABB SKU	Type spare	Min quantity
EG	Ent. Guard Delay mod. TDM for UV 220-240V AC	407820	GTDM240A	7GSP007764R0003		1

Circuit-breakers
ACB Spare parts - Mpact 1-2



Family	Suitable for
EG	All kind of EntelliGuard
EG1	EntelliGuard G - Frame 1
EG2	EntelliGuard G - Frame 2
EG3	EntelliGuard G - Frame 3
EG-T	EntelliGuard T only
EGL	EntelliGuard L only
Mpact	Mpact

Circuit-breakers

ACB Spare parts - Mpact 1-2



1 - Breaker front facial part

Family	Description	Order nr.	Cat. nr.	ABB SKU	Type spare	Min quantity
Mpact	Front fascia frame 1 & 2	405101 (1)	B40036060	7GSP056890R0003		1

1) Label is not included. Reuse the existing one.



2 - Charging lever kit

Family	Description	Order nr.	Cat. nr.	ABB SKU	Type spare	Min quantity
Mpact	Blue handle kits with short handle	B90000101		7GSP020771R0005		1



3 - Closing coils

Family	Description	Order nr.	Cat. nr.	ABB SKU	Type spare	Min quantity
Mpact	Closing Coil Frame 1 & 2 110-130V AC/DC	405426	CC130	7GSP056927R0003		1
Mpact	Closing Coil Frame 1 & 2 220-250V AC/DC	405428	CC250	7GSP056848R0003		1

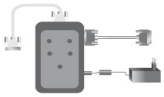




4 - Cluster contacts

Family	Description	Order nr.	Cat. nr.	ABB SKU	Type spare	Min quantity
Mpact	Cluster contacts Frame 1 - 800 to 1250 A	405769	CLCS116	7GSP056885R0003		(1)
Mpact	Cluster contacts Frame 1 - S 1600 A /N 800 to 1600 A	405770	CLCN116	7GSP056949R0003		(1)
Mpact	Cluster contacts Frame 1 - 2000 to 2500 A	405771	CLC125	7GSP056910R0003		(1)
Mpact	Cluster contacts Frame 2 - S, N 2000 to 3200 A / H 800 to 3200 A	405772	CLC232	7GSP056911R0003		(1)
Mpact	Cluster contacts Frame 2 - 4000A	405773	CLC240	7GSP056886R0003		(1)
EG - Mpact	Ent. Guard Set of Cluster Pliers	408047	GUNI	7GSP008084R0003		(1)

1) According by number of poles (3/4/6/8)



5 - GTU acc.

Family	Description	Order nr.	Cat. nr.	ABB SKU	Type spare	Min quantity
EG - Mpact	Ent. Guard Trip unit Battery tester & Setup unit	407999	GTUTK20	7GSP013423R0005		1



6 - Motor operators

Family	Description	Order nr.	Cat. nr.	ABB SKU	Type spare	Min quantity
Mpact	Motor Operator Frame 1 & 2 - 110-130V DC	405917	MOP130D	7GSP056915R0003		1
Mpact	Motor Operator Frame 1 & 2 - 220-250V AC	405448	MOP250A	7GSP056903R0003		1



7 - Shunt Trip

Family	Description	Order nr.	Cat. nr.	ABB SKU	Type spare	Min quantity
Mpact	Shunt Trip Frame 1 & 2 - 24-30V DC	405380	ST30	7GSP056843R0003		1
Mpact	Shunt Trip Frame 1 & 2 - 110-130V AC/DC	405386	ST130	7GSP056844R0003		1
Mpact	Shunt Trip Frame 1 & 2 - 220-250V AC/DC	405388	ST250	7GSP056896R0003		1

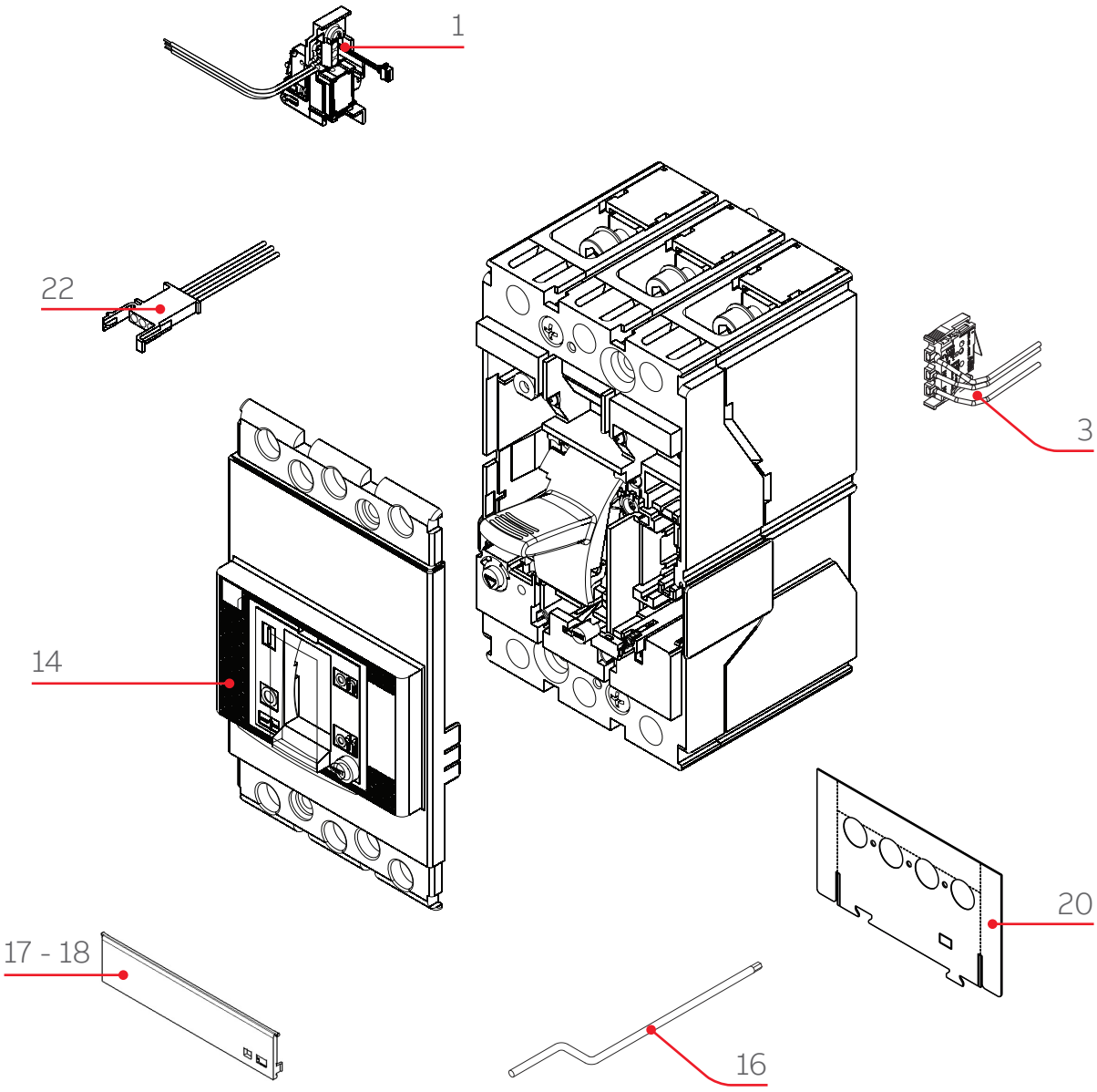


8 - Undervoltage release

Family	Description	Order nr.	Cat. nr.	ABB SKU	Type spare	Min quantity
Mpact	Undervoltage release Frame 1 & 2 - 110-130V AC	405406	UV130A	7GSP056845R0003		1
Mpact	Undervoltage release Frame 1 & 2 - 220-250V AC/DC	405408	UV250	7GSP056900R0003		1

Circuit-breakers

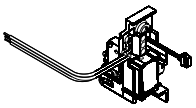
MCCB Spare parts - Tmax XT1, XT2, XT3, XT4



Circuit-breakers

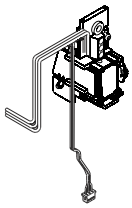
MCCB Spare parts - Tmax XT1, XT2, XT3, XT4

NOTE: Availability of XT1, XT2 and XT3 spare parts is no longer guaranteed due to their current LCM status. Please verify with production before ordering.



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

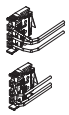


2 - SA RC Sel/RC Inst/RC B Type -Opening solenoid of the residual current device

Size	Poles		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		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

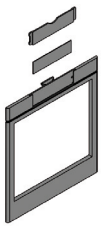
Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
XT1; XT2; XT3; XT4	3p/4p	F; P	IEC	1SDA066994R1		1
XT2; XT4	3p/4p	W	IEC	1SDA066995R1		1

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	1SDA068641R1		1
XT4	4p	F; P	IEC	1SDA068642R1		1

8 - MOD flange

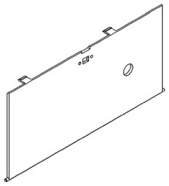
Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
XT1; XT3	3p/4p	F; P	IEC	1SDA068648R1		1

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



11 - Flange for residual current RC Sel/Inst

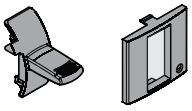
Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
XT1	3p	F; P	IEC	1SDA068653R1		1
XT1	4p	F; P	IEC	1SDA068654R1		1
XT3	3p	F; P	IEC	1SDA068655R1		1
XT3	4p	F; P	IEC	1SDA068656R1		1

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 - RC Sel	3p/4p	F; P; W	IEC	1SDA076313R1		1
XT3 - B Type	3p/4p	F; P	IEC	1SDA076311R1		1
XT4 - RC Sel	3p/4p	F; P; W	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/UL	1SDA076416R1		1
XT3	3p/4p	F; P	IEC/UL	1SDA076417R1		1
XT4 - lever protection included	3p/4p	F; P	IEC/UL	1SDA076418R1		1

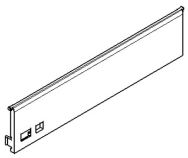
15 - Kit fixing screws (50 pcs) - 2 screws are needed to complete 1 breaker

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

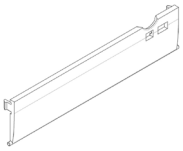


17 - Transparent cover for TMA Trip unit

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

Circuit-breakers

MCCB Spare parts - Tmax XT1, XT2, XT3, XT4

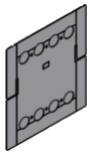


18 - Transparent cover for Ekip Trip unit

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

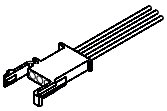
19 - Wiring side covers

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 (10 pcs - to complete 1 breaker, 1 plate IS 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

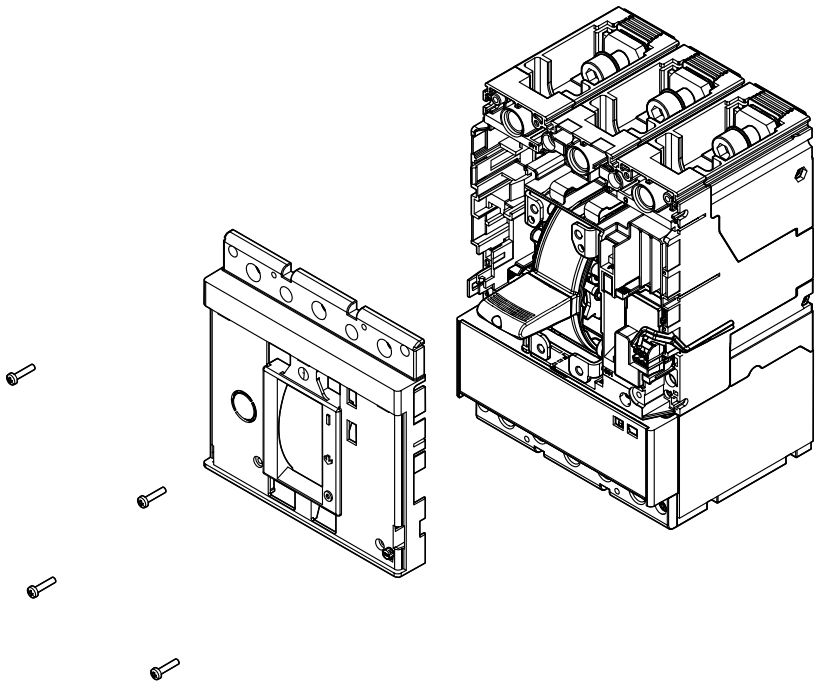
Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
XT2; XT4	3p/4p	W	IEC	1SDA067214R1		1

23 - Installation kit for Tmax XT breaker

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
XT2	3p	F	IEC	1SDA124638R1		1
XT2	4p	F	IEC	1SDA124639R1		1
XT2	3p/4p	F	UL	1SDA124640R1		1
XT3	3p	F	IEC	1SDA124641R1		1
XT3	4p	F	IEC	1SDA124642R1		1
XT3	3p	F	UL	1SDA124643R1		1
XT3	4p	F	UL	1SDA124644R1		1
XT4	3p	F	IEC	1SDA124645R1		1
XT4	4p	F	IEC	1SDA124646R1		1
XT4	3p/4p	F	UL	1SDA124647R1		1

Circuit-breakers

MCCB Spare parts - Tmax XT5, XT6



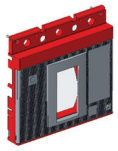
Circuit-breakers

MCCB Spare parts - Tmax XT5, XT6



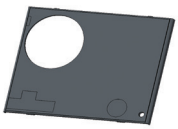
3- Crank handle

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
XT5 ; XT6	3p/4p	W (MP)	IEC/UL	1SDA119898R1		1



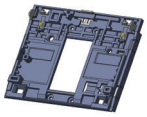
4- Polish plates for Circuit Breaker

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
XT5	3p	F ; W (MP)	IEC/UL	1SDA119918R1		1
XT5	4p	F ; W (MP)	IEC/UL	1SDA119919R1		1
XT6	3p	F ; W (MP)	IEC/UL	1SDA119934R1		1
XT6	4p	F ; W (MP)	IEC/UL	1SDA119935R1		1



5- Polish plates RDH

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
XT5 - RHD_N	3p/4p	F	IEC/UL	1SDA119899R1		1
XT5 - RHD_Em	3p/4p	F	IEC/UL	1SDA119900R1		1
XT5 - RHD_N_Em	3p/4p	F	IEC/UL	1SDA119901R1		1
XT6 - RHD_N	3p/4p	F	IEC/UL	1SDA119950R1		1
XT6 - RHD_Em	3p/4p	F	IEC/UL	1SDA119951R1		1
XT6 - RHD_N_Em	3p/4p	F	IEC/UL	1SDA119952R1		1



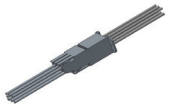
6- Plastic fixing plate - RHD

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
XT5	3p/4p	F	IEC/UL	1SDA119902R1		1



7- RDH Lever

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
XT5	3p/4p	F	IEC/UL	1SDA119903R1		1



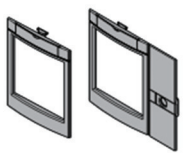
8- Kit Fixing Cables MOE

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
XT5 ; XT6 - 24V DC	3p/4p	F	IEC	1SDA119904R1		1
XT5 ; XT6 - 380V AC-DC	3p/4p	F	IEC	1SDA119908R1		1



9- MOE Lever for withdrawable version

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
XT5	3p/4p	W	IEC/UL	1SDA119909R1		1
XT6	3p/4p	W	IEC/UL	1SDA119949R1		1



10- Flange for door MOE/RDH/FLD

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
XT5		F	IEC/UL	1SDA105137R1		1
XT5		W (MP)	IEC/UL	1SDA105138R1		1
XT6		F	IEC/UL	1SDA105140R1		1
XT6		W (MP)	IEC/UL	1SDA119943R1		1



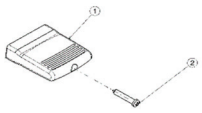
11- Flange for circuit breaker - fixed version

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
XT5		F	IEC/UL	1SDA105139R1		1
XT6		F	IEC/UL	1SDA105142R1		1



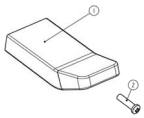
12- Flanges for compacted door RC

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
XT5	4p	F	IEC	1SDA105135R1		1
XT5	4p	W (MP)	IEC	1SDA105136R1		1



13- Extension for operating lever

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
XT5	3p/4p	F ; W (MP)	IEC/UL	1SDA119926R1		1
XT6	3p/4p	F ; W (MP)	IEC/UL	1SDA119936R1		1



15- FLD Extended Lever

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
XT5	3p/4p	F ; W (MP)	IEC/UL	1SDA119929R1		1
XT6	3p/4p	F ; W (MP)	IEC/UL	1SDA119945R1		1



16- Plugin connector for wired electrical accessories - fixed part

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
XT5 ; XT6	3p/4p	F	IEC/UL	1SDA119930R1		1

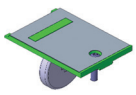


17- Screws

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
XT5 - CB	3p/4p	F	IEC/UL	1SDA119915R1		1
XT5 - Front cover	3p/4p	F ; W (MP)	IEC/UL	1SDA119916R1		1
XT5 - Trip unit	3p/4p	F ; W (MP)	IEC/UL	1SDA119917R1		1
XT6 - Trip unit	3p/4p	F ; W (MP)	IEC/UL	1SDA119940R1		1
XT5 - Terminals	3p/4p	F ; W (FP)	IEC/UL	1SDA119921R1		1
XT6 - Front cover	3p/4p	F ; W (MP)	IEC/UL	1SDA119937R1		1
XT6 - CB	3p/4p	F	IEC/UL	1SDA119941R1		1
XT6 - Terminals	3p/4p	F ; W (MP)	IEC/UL	1SDA119948R1		1

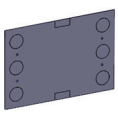
18- Plastic transparent cover

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
XT5 - Trip Unit	3p/4p	F ; W (MP)	IEC/UL	1SDA105148R1		1
XT5 - RC	3p/4p	F ; W (MP)	IEC	1SDA119914R1		1



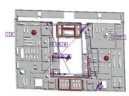
19- Trip unit Battery + Plastic cover

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
XT5	3p/4p	F ; W (MP)	IEC/UL	1SDA119925R1		1



20- n°5pcs Back insulating plates

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
XT6	3p	F	IEC/UL	1SDA119946R1		1
XT6	4p	F	IEC/UL	1SDA119947R1		1



21- Fixing plate - Rotary handle

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
XT6	3p/4p	F	IEC/UL	1SDA119953R1		1

Circuit-breakers

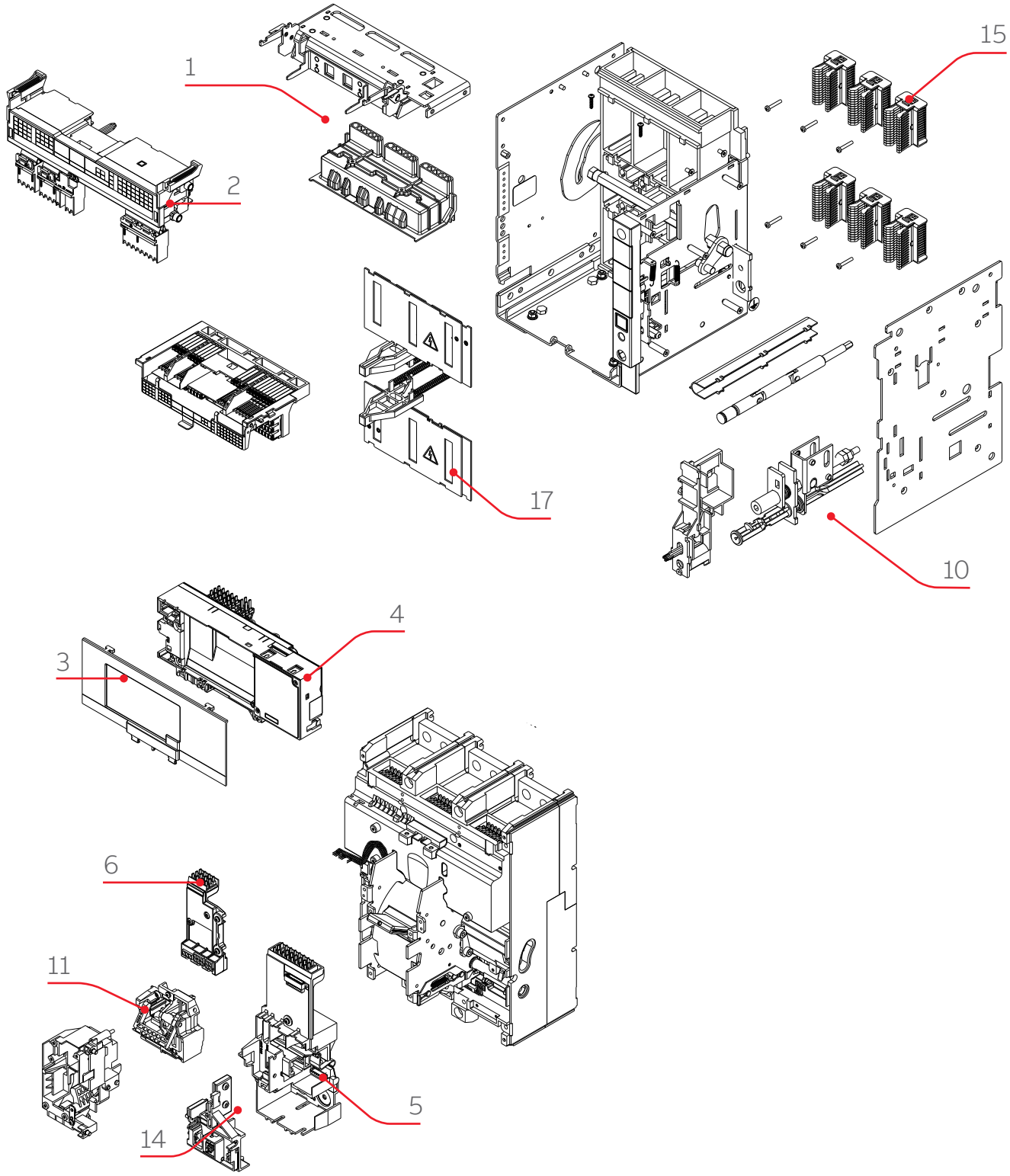
MCCB Spare parts - Tmax XT5, XT6

22- Installation kit for Tmax XT breaker

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
XT5	3p	F	IEC	1SDA124648R1		1
XT5	4p	F	IEC	1SDA124649R1		1
XT5	3p	F	UL	1SDA124650R1		1
XT5	4p	F	UL	1SDA124651R1		1
XT6	3p	F	IEC	1SDA124652R1		1
XT6	4p	F	IEC	1SDA124653R1		1
XT6	3p	F	UL	1SDA124654R1		1
XT6	4p	F	UL	1SDA124655R1		1

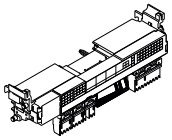
Circuit-breakers

MCCB Spare parts - Tmax XT7



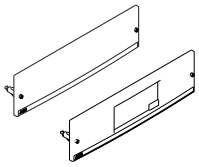
Circuit-breakers

MCCB Spare parts - Tmax XT7



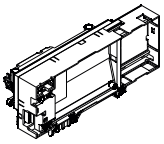
2 - Kit sliding contacts for moving part

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
XT7-XT7M 3p	3p	IEC/UL	W(MP)	1SDA107820R1		1
XT7-XT7M 4p	4p	IEC/UL	W(MP)	1SDA107821R1		1
XT7-XT7M 3p - MS	3p	IEC/UL	W(MP)	1SDA107828R1		1
XT7-XT7M 4p - MS	4p	IEC/UL	W(MP)	1SDA107829R1		1



3 - Transparent cover for Trip Unit

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
XT7-XT7M - Ekip Dip	3p/4p	IEC/UL	F; W (MP)	1SDA107823R1		1
XT7-XTM - MS	3p/4p	IEC/UL	F; W (MP)	1SDA107830R1		1
XT7-XT7M - Ekip Touch/HiTouch	3p/4p	IEC/UL	F; W (MP)	1SDA107824R1		1



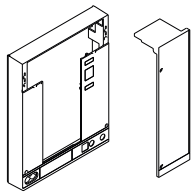
4 - Main board

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
XT7	3p/4p	IEC/UL	F; W (MP)	1SDA107825R1		1
XT7M	3p/4p	IEC/UL	F; W (MP)	1SDA107826R1		1
XT7M MS 1200 A	3p/4p	UL	F; W (MP)	1SDA107831R1		1
XT7 MS 1200 A	3p/4p	UL	F; W (MP)	1SDA107832R1		1
XT7M MS 1000 A	3p/4p	UL	F; W (MP)	1SDA107833R1		1
XT7 MS 1000 A	3p/4p	UL	F; W (MP)	1SDA107834R1		1

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

8 - Kit terminal box for fixed CB

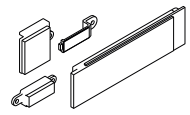
Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
XT7 - XT7M	3p/4p	IEC/UL	F	1SDA114757R1		1



9 - Front cover for accessories

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
XT7M (F,W)	3p	IEC/UL	F, W(MP)	1SDA114758R1		1
XT7M (F;W)	4p	IEC/UL	F, W(MP)	1SDA114759R1		1
XT7 (F,W)	3p	IEC/UL	F, W(MP)	1SDA114760R1		1
XT7 (F;W)	4p	IEC/UL	F, W(MP)	1SDA114761R1		1
XT7M (F,W) Castell	3p	IEC/UL	F, W(MP)	1SDA114762R1		1
XT7M (F;W) Castell	4p	IEC/UL	F, W(MP)	1SDA114763R1		1

Type A Spare part = only for ABB L3 technicians



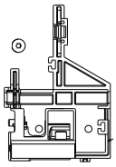
12 - Kit front cover plugs

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
XT7	3p/4p	IEC/UL	F; W (MP)	1SDA114766R1		1
XT7M	3p/4p	IEC/UL	F; W (MP)	1SDA114767R1		1



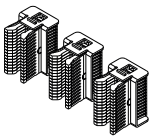
13 - Trip unit battery

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
XT7-XT7M	3p/4p	IEC/UL	F; W (MP)	1SDA074193R1		1



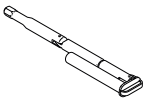
14 - Trip test group push-button

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
XT7	3p/4p	IEC	F; W (MP)	1SDA115937R1		1



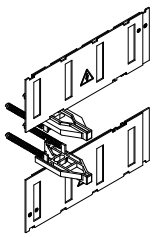
15 - Jaw contacts kit single phase

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
XT7-XT7M	3p/4p	IEC/UL	F; W (MP)	1SDA081164R1		1



16 - Rack in and rack out lever

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
XT7-XT7M	3p/4p	IEC/UL	W (MP)	1SDA081410R1		1



17 - Safety shutters for fixed part

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
XT7-XT7M	3p	IEC/UL	W(FP)	1SDA081411R1		1
XT7-XT7M	4p	IEC/UL	W (FP)	1SDA081412R1		1



18 - Charging lever

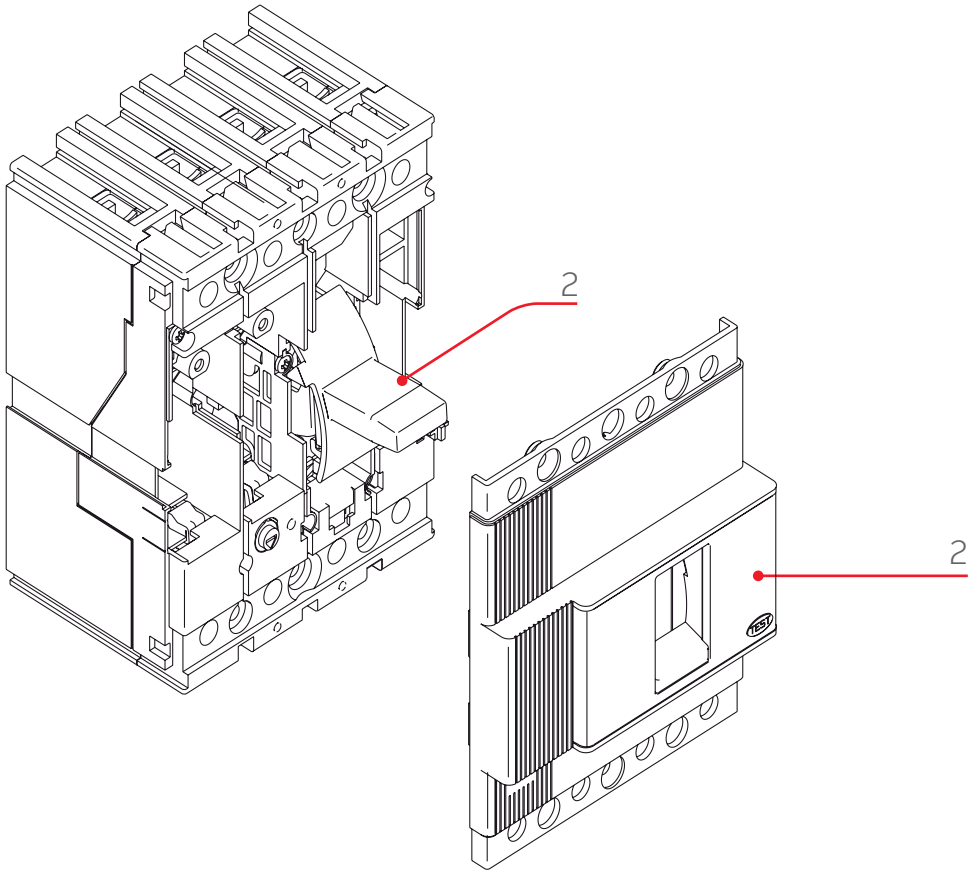
Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
XT7M	3p/4p	IEC/UL	W (MP)	1SDA081171R1		1

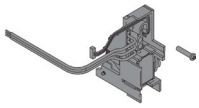
20 - Fixing screws

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
XT7	3p/4p	IEC/UL	F	1SDA063762R1		1

Circuit-breakers

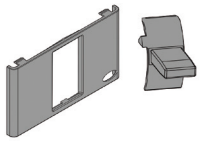
MCCB Spare parts - Tmax T1, T2, T3





1 - Opening solenoid for residual current releases

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



2 - Operating lever and lucid plate

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

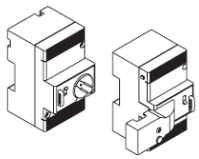
3 - Gasket for panel door

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



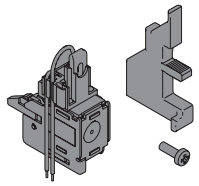
4 - MOS brackets (50 pcs)

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



5 - 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 - 110...250V AC/DC side by side, 5 cables	3p/4p	F; P	IEC	1SDA059599R1		1



6 - Shunt Opening Coil - SOR

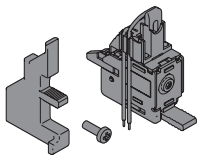
Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
T1; T2; T3 - 12V DC - uncabled	3p/4p	F; P	IEC	1SDA053000R1		1
T1; T2; T3 - 24...30V AC/DC - uncabled	3p/4p	F; P	IEC	1SDA051333R1		1
T1; T2; T3 - 48...60V AC/DC - uncabled	3p/4p	F; P	IEC	1SDA051334R1		1
T1; T2; T3 - 110...127V AC - 110...125V DC - 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

Circuit-breakers

MCCB Spare parts - Tmax T1, T2, T3

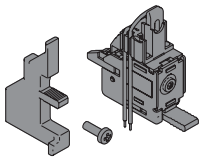
7 - SOR-C

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



8 - 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 - 48V AC/DC - uncabled	3p/4p	F; P	IEC	1SDA051346R1		1

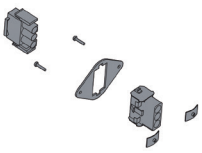


9 - UVR-C

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 - 48V AC/DC - cabled	3p/4p	F; P	IEC	1SDA051352R1		1

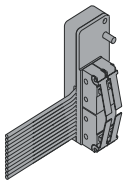
10 - Connectors and socket-plugs for electrical accessories

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



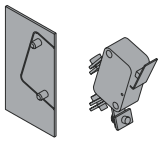
11 - Loose cables

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



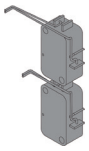
12 - Auxiliray contacts - AUX

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



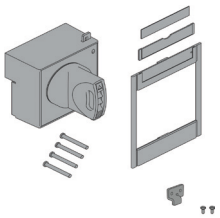
13 - Auxiliary position contacts - AUP

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
T2; T3 - 1 Connected signalling position contact	3p/4p	P	IEC	1SDA051372R1		1



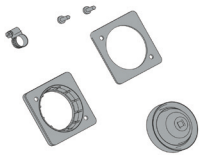
14 - Early Auxiliary contacts - AUE

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



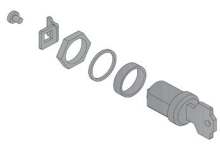
15 - Rotary handle operating mechanism

Size	Poles		IEC/UL	Code	Type spare	Min quantity
T1; T2; T3 - Direct - RHD	3p/4p	F; P	IEC	1SDA051381R1		1
T1; T2; T3 - Transmitted - RHE	3p/4p	F; P	IEC	1SDA051383R1		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



16 - Protection and phase separators

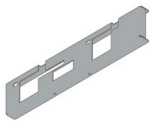
Size	Poles		IEC/UL	Code	Type spare	Min quantity
T1;T2; T3 - Direct - IP54 for RHE	3p/4p	F; P	IEC	1SDA051392R1		1
STC T1 3p protection IP40 TERM + TAMP. SEA	3p	F	IEC	1SDA051431R1		1
STC T1 4p protection IP40 TERM + TAMP. SEA	4p	F	IEC	1SDA051432R1		1



17 - Operating mechanism and locks

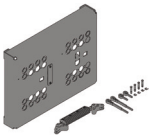
Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
T1; T2; T3 - Plug-in in open position - PLL	3p/4p	F; P	IEC	1SDA051393R1		1
T1; T2; T3 - Plate in open/closed position - PLL	3p/4p	F; P	IEC	1SDA051394R1		1
T1; T2; T3 - Plate in open position - PLL	3p/4p	F; P	IEC	1SDA060534R1		1
T2 - “Ronis” key lock in open position - same key - KLC	3p/4p	F; P	IEC	1SDA053529R1		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: 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



18 - 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



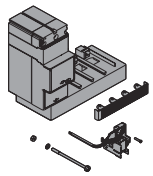
19 - Mechanical interlock - MIR

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



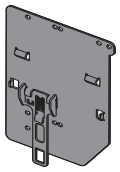
20 - IP44 toggle protection

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



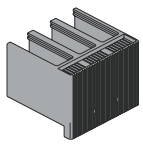
21 - Residual current releases

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 - RC222/1	3p	F	IEC	1SDA051400R1		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



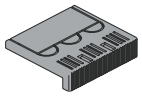
22 - Bracket for fixing onto DIN rail

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
T1 - DIN 50022 - for RC222 mod. 200mm	4p	F	IEC	1SDA053940R1		1
T1; T2 - 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



23 - 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



24 - Low insulating terminal cover - LTC

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
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

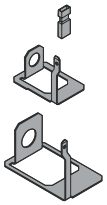


25 - Terminals

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
FC CuAl						
T1 - KIT FC CuAl 2x95mm² - 3pcs	3p	F	IEC	1SDA051446R1		2
T1 - KIT FC CuAl 2x95mm² - 4pcs	4p	F	IEC	1SDA051447R1		2
T3 - KIT FC CuAl 185mm² - 3pcs	3p	F	IEC	1SDA051486R1		2
T3 - KIT FC CuAl 150...240mm² - 4pcs	4p	F	IEC	1SDA051941R1		2
Extended Front						
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 - 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
Front terminal						
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
Extended Spread						
T3 - KIT Extended Spread - 4pcs	4p	F	IEC	1SDA051495R1		2
T3 - KIT Extended Spread - 8pcs	4p	F	IEC	1SDA051493R1		1
FC Cu						
T2 - KIT FC Cu - 3 pcs	3p	F	IEC	1SDA051454R1		2
T2 - KIT FC Cu - 6pcs	3p	F	IEC	1SDA051452R1		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

Circuit-breakers

MCCB Spare parts - Tmax T1, T2, T3

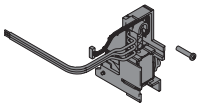


26 - Kit for taking up voltage for auxiliares

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

27 - 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
T1; T2; T3 - RC221	4p	F; P	IEC	1SDA051514R1		1



28 - Solenoid for residual current

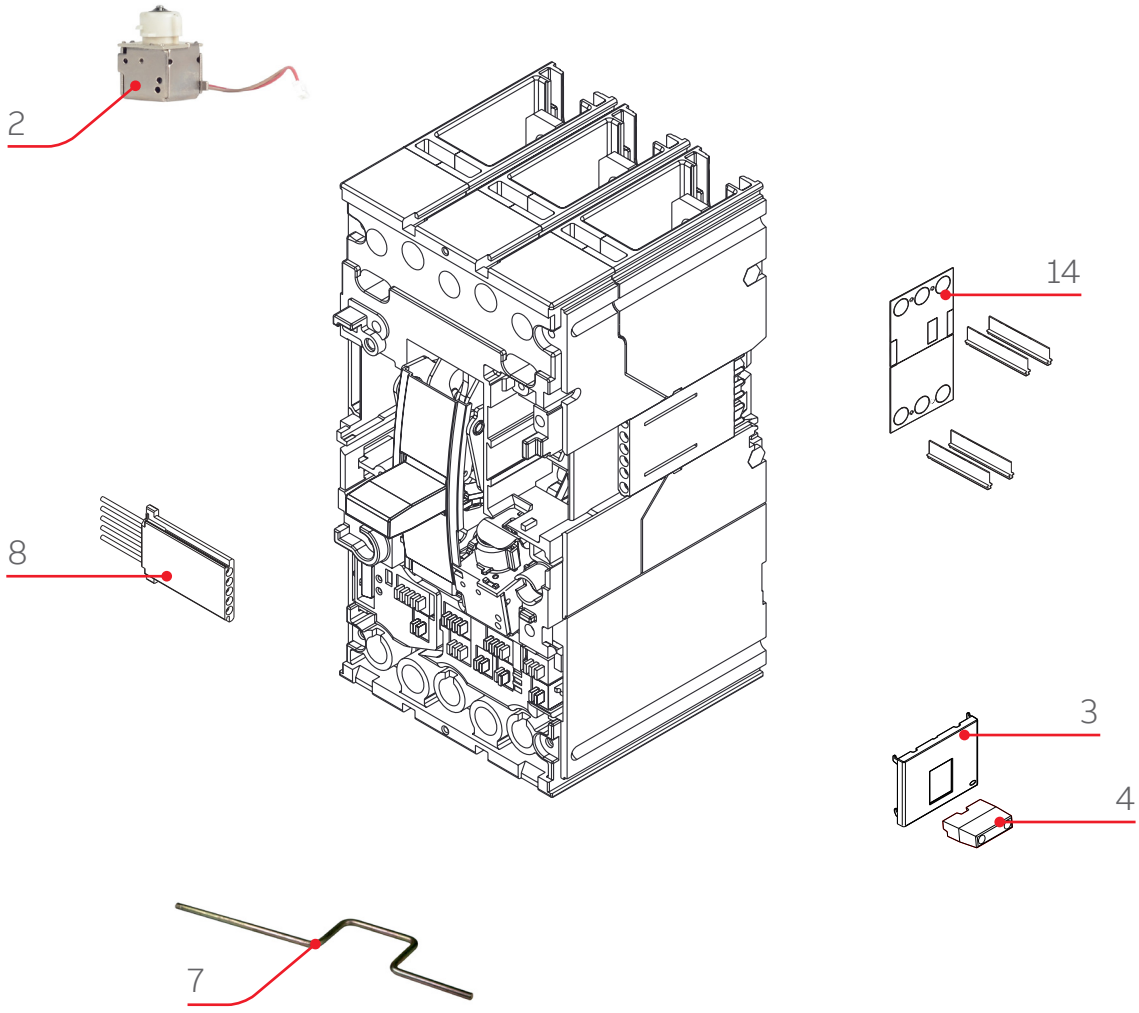
Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
T3 - RC221/RC222	3p/4p	F; P	IEC	1SDA051508R1		1
T3 - RC223	3p/4p	F; P	IEC	1SDA064548R1		1

29 - Sealable screws for terminals corvers

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



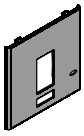
Circuit-breakers

MCCB Spare parts - Tmax T4, T5, T6, T8



1 - Opening solenoid for residual current release

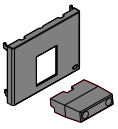
Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
T4; T5 - RC222-223 + Aux K51	3p/4p	F; P; W	IEC	1SDA055097R1		1



3 - Lucid plate(1)

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

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

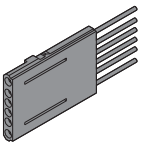
6 - Gasket for panel door

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 - 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



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



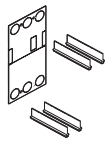
14 Back insulating plates

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
T4	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
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	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

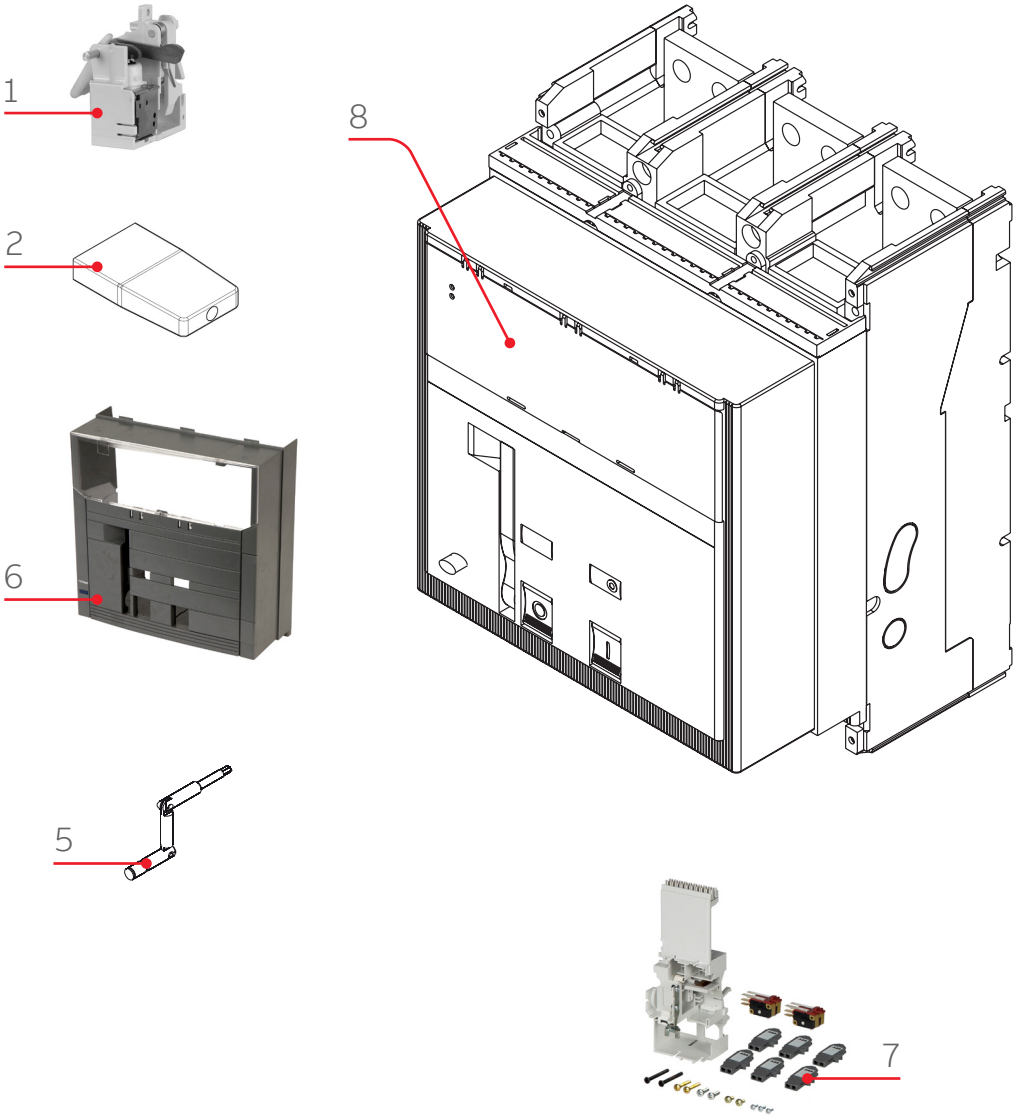


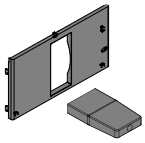
16 - Operation lever

Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
T6	3p/4p	F; W (MP)	IEC/UL	1SDA025786R1		1

Circuit-breakers

MCCB Spare parts - Tmax T7, T7M, New Emax X1





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	
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 PR332/PR333	3p	F; W (MP)	IEC/UL	1SDA069247R1		1
X1 - for PR332/PR333	4p	F; W (MP)	IEC/UL	1SDA076527R1		1

Characteristic label not included. Reuse the same one

8 - Transparent trip unit cover

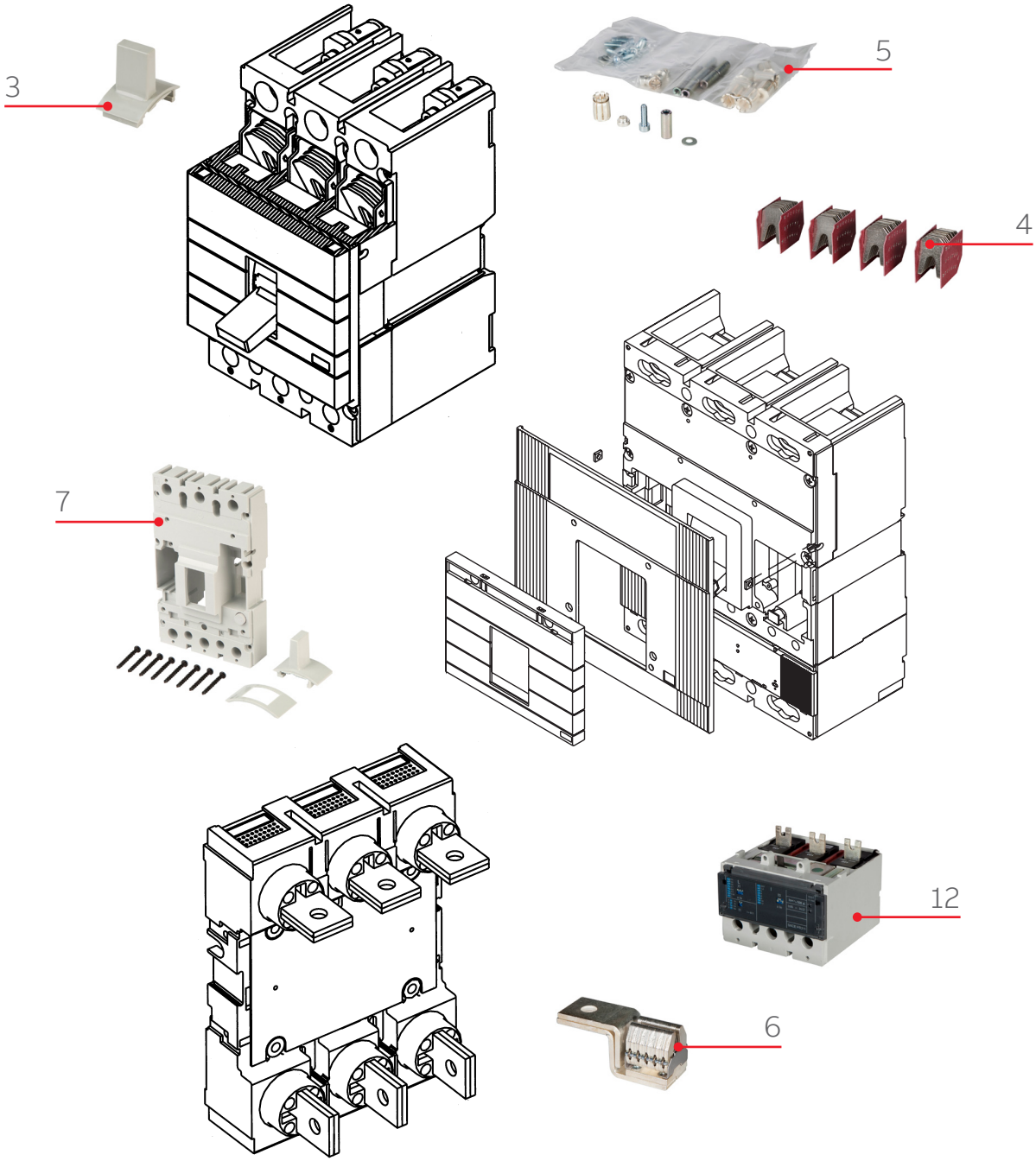
Size	Poles	Version	IEC/UL	Code	Type spare	Min quantity
T7; T7M	3p/4p	F; W (MP)	IEC/UL	1SDA076528R1		1
X1 - PR331	3p/4p	F; W (MP)	IEC/UL	1SDA076532R1		1
X1 - PR332/PR333	3p/4p	F; W (MP)	IEC/UL	1SDA076533R1		1

9 - Seleable screws for terminals covers

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

Circuit-breakers

MCCB Spare parts - Isomax S3, S4, S5, S6, S7



1 - 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
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



2 - 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



3 - 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



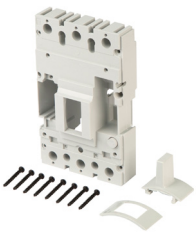
4 - Tulip contacts set

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



5 - 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 - HR terminals	3p/4p	F; W (MP)	1SDA043512R1		1



6 - 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

Limited availability - check availability before ordering

Circuit-breakers

MCCB Spare parts - Isomax S3, S4, S5, S6, S7



7 - Front cover

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



8 - Winding lever

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

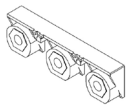
9 - Fixing screws for fixed breaker

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



10 - 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



11 - Kit block with screws

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



13 - Shunt Opening Release SOR

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
S3; S4; S5 - 12V DC	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 - 380/400V AC	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 - 37,5V DC	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 - 380/400V AC	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

Limited availability - check availability before ordering



14 - Undervoltage Release UVR

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



15 - 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



16 - 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



17 - 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

Limited availability - check availability before ordering

Circuit-breakers

MCCB Spare parts - Isomax S3, S4, S5, S6, S7

18 - 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

19- 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



20 - 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



21 - 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



22 - 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 - 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

Limited availability - check availability before ordering



23 - 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



24 - 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



25 - 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		



26 - 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		



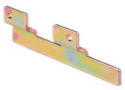
27 - Key lock for open position

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		

Limited availability - check availability before ordering

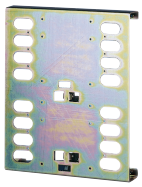
Circuit-breakers

MCCB Spare parts - Isomax S3, S4, S5, S6, S7



28 - 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		



29 - 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 - circuit-breaker/ fixed part interlock with item indicated	3p; 4p	IEC		1SDA050093R1		
S6 - HR	3p; 4p	IEC		1SDA060685R1		
S6 - VR	3p; 4p	IEC		1SDA060686R1		

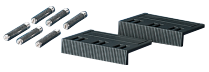


30 - Connection terminals

Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
EF= Extended front terminals						
S3; S4 - EF - 3 pcs	3p	IEC		1SDA023353R1		
S5 400 - EF - 3 pcs	3p	IEC		1SDA023367R1		
S3; S4 - EF - 4pcs	4p	IEC		1SDA023359R1		
S5 400 - EF - 4pcs	4p	IEC		1SDA023373R1		
S3; S4 - EF - 6pcs	3p	IEC		1SDA013596R1		
S5 400 - EF - 6pcs	3p	IEC		1SDA013706R1		
S3; S4 - EF - 8 pcs	4p	IEC		1SDA013597R1		
S5 400 - EF - 8 pcs	4p	IEC		1SDA013707R1		
ES= Spreaded extended front terminals						
S3; S4 - ES - 3pcs	3p	IEC		1SDA046517R1		
S3; S4 - ES - 4pcs	4p	IEC		1SDA046518R1		
S5 - ES - 4pcs	4p	IEC		1SDA047552R1		
S3; S4 - ES - 6pcs	3p	IEC		1SDA046515R1		
S3; S4 - ES - 8 pcs	4p	IEC		1SDA046516R1		
FC Cu= Front terminals for copper cables						
S3; S4 - FC Cu - 3pcs	3p	IEC		1SDA023354R1		
S5 400 - FC Cu - 3pcs	3p	IEC		1SDA023368R1		
S3; S4 - FC Cu - 4pcs	4p	IEC		1SDA023360R1		
S3; S4 - FC Cu - 6pcs	3p	IEC		1SDA013598R1		
S3; S4 - FC Cu - 8 pcs	4p	IEC		1SDA013599R1		
FC CuAl= Front terminals for copper/alluminium cables						
S3D 100 - FC CuAl - 3pcs	3p	IEC		1SDA023355R1		
S3 160-S4 160 (1x95mm²) - FC CuAl - 3pcs	3p	IEC		1SDA023356R1		
S3 250-S4 250 (1x150mm²) - FC CuAl - 3pcs	3p	IEC		1SDA023357R1		
S3D 100 - FC CuAl - 4pcs	4p	IEC		1SDA023361R1		
S3 160-S4 160 (1x95mm2) - FC CuAl - 4pcs	4p	IEC		1SDA023362R1		
S3 250-S4 250 (1x150mm²) - FC CuAl - 4pcs	4p	IEC		1SDA023363R1		
S3D 100 - FC CuAl - 6pcs	3p	IEC		1SDA013600R1		
S3 160-S4 160 (1x95mm²) - FC CuAl - 6pcs	3p	IEC		1SDA013602R1		
S3 250-S4 250 (1x150mm²) - FC CuAl - 6pcs	3p	IEC		1SDA020293R1		
S3 250-S4 250 (1x150mm²) - FC CuAl - 8 pcs	4p	IEC		1SDA020294R1		
R= Threaded rear terminals						
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		
S6 - R - 4pcs	4p	IEC		1SDA023392R1		
S3; S4 - R - 6pcs	3p	IEC		1SDA013606R1		
S6 - R - 6pcs	3p	IEC		1SDA013960R1		
S3; S4 - R - 8 pcs	4p	IEC		1SDA013607R1		
S6 - R - 8 pcs	4p	IEC		1SDA013961R1		







Circuit-breakers

MCCB Spare parts - Isomax S3, S4, S5, S6, S7



31 - 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
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





32 - 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

33 - 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



34 - Test unit SACE TT1

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



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

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

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

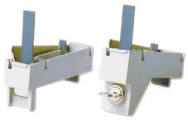
Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
S3X	3p	IEC	F	1SDA046521R1		1
S5 400	3p	IEC	F	1SDA013718R1		1
S6X	3p	IEC	F	1SDA047619R1		1
S5 400	4p	IEC	F	1SDA013719R1		1



37 - 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

Limited availability - check availability before ordering



38 - 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

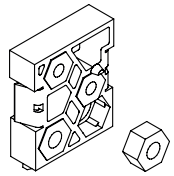


39 - Bracket for mounting on DIN rail

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

40 - 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



41 - KIT Block with screws

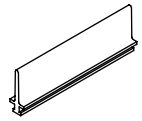
Size	Poles	IEC/UL	Version	Code	Type spare	Min quantity
S3	3p	IEC		1SDA043341R1		1
S3	4p	IEC		1SDA043342R1		1
S4	3p	IEC		1SDA043461R1		1
S5 400	3p	IEC		1SDA043464R1		1
S5 400	4p	IEC		1SDA043465R1		1
S5 630	3p	IEC		1SDA052941R1		1
S5 630	4p	IEC		1SDA052942R1		1
S7	3p	IEC		1SDA044750R1		1
S7	4p	IEC		1SDA047791R1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

42 - 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		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

Limited availability - check availability before ordering

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

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.

1970's
- OETL63-1600D switch-disconnectors
- OFAA fuse links



- OESA00 1, 2, 3 switch fuses

1980's
- OFAX fuse bases
- OETL16-3150K switch-disconnectors



- OESA200-800 switch fuses



1990's
- OT, OTP Enclosed switches



- OM, ON, OL cam switches
- OETL200-1600 change over switches
- OESA200-800PL switch fuses

1992
- OS mini switch fuses

1995
- OT16-125 change over switches



- OT16-160E switch-disconnectors

1997
- OS63-160 series switch fuses



2004-2007
- OT/OTM_160-2500C change over switches



- OT200-2500 switch disconnector



- OS200-1250 switch fuses

2008
- OT16-160F switch-disconnector



2010
- OS63-160G switch fuses



2011
- OTDC16-32 DC (1000V DC) switch-disconnectors
- OETL16-3150K switch-disconnectors

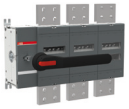
2012
- OTDC100-250 DC (1000V DC) switch-disconnectors



2013
- OT3200_C manual change over switch



- OT3200-3800E switch-disconnectors



- OTDC315-400 DC (1000/1500V DC) switch-disconnectors

2014
- OTDC400 + DC (1000/1500V DC) switch- disconnectors
- OC Cam switches

2017
- OTDC 200 DC (1500V DC) switch-disconnectors

2018
- TruONE™ ATS

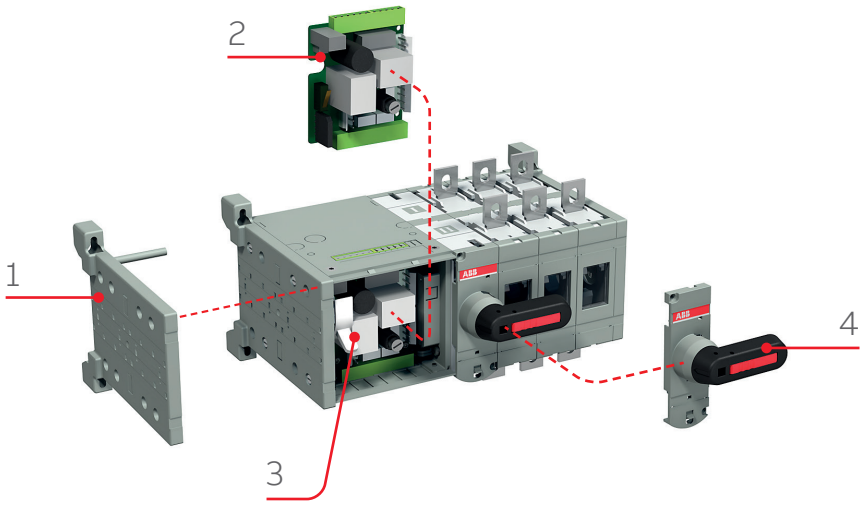


- Compact ATS



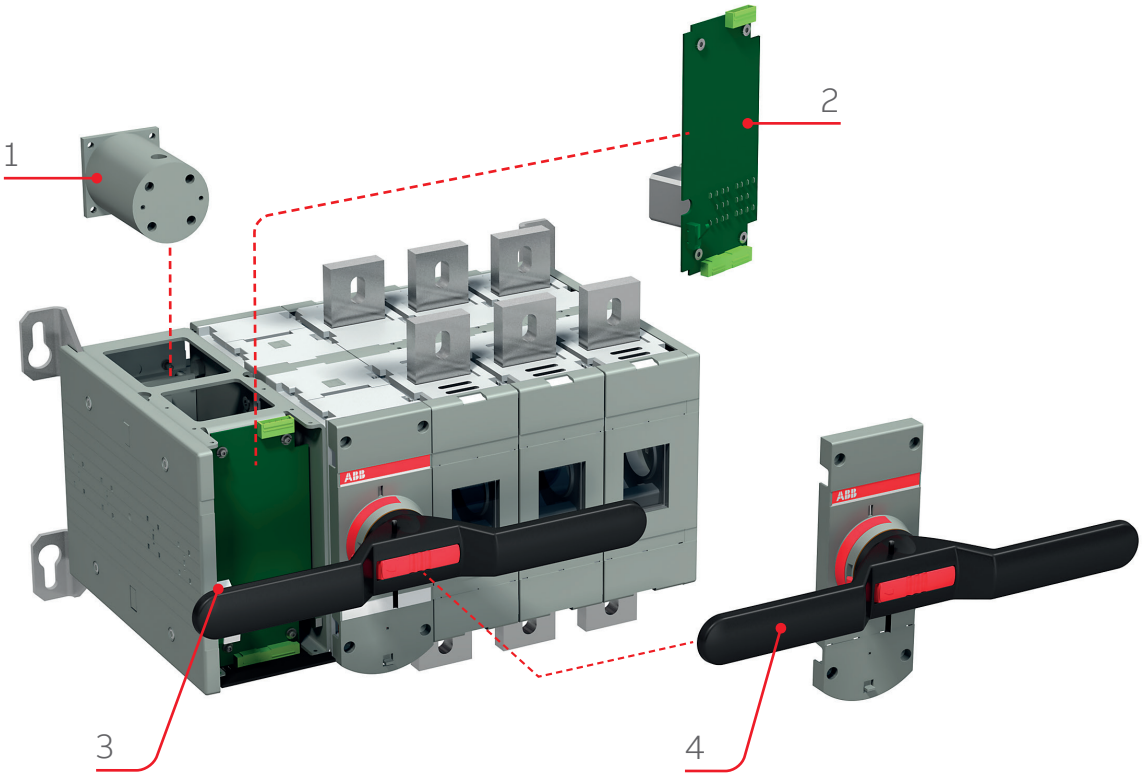
Switches
Motorized change-over Switches

OTM160...800_C_

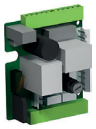


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Note:
1. End plate
2. Printed circuit board (PCB)
3. Manual/motor selector switch
4. Direct mounted handle

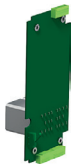
OTM1000...2500_C_



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



—
OME1...3PB



—
OME4PB

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...3200E_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...3200E_CM110V	OME4PB-250	1SCA120152R1001	1



—
OMEM

Motor

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



—
OTMXP3

Manual/Motor selector switch

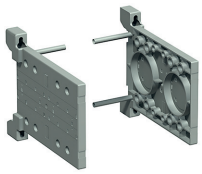
Suitable for switches	Type	Code	Units/type [pcs]
OTM160..2500	OTMXP3	1SCA124523R1001	1



—
OTV

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



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OT

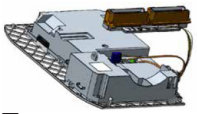
Side plate

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

Switches

TruONE

TruONE ATS spare parts are available from Manufacturing Unit Vaasa, Finland



OX_POWER-400



OX_POWER-1600

Power module

Including the power module for TruONE ATS, two different order codes depending on the type of TruONE ATS.

Open transition (TruONE ATS types OXA_) and Delayed transition (TruONE ATS types OXB_)

Suitable for switches	Type	Code	Weight/unit [kg]
UL 30-260 Amps IEC 200-400 Amps	OXPOWER-400	1SCA158509R1001	1,25
UL 400-1200 Amps IEC 500-1600 Amps	OXPOWER-1600	1SCA158508R1001	1,36

Available only for ABB service engineers



OX_CONTROL-400



OX_CONTROL-1600

Controller module

Including the controller module for TruONE ATS.
Please provide the full TruONE part number (one example OXB250E3S3QB) when ordering as the controller module will be pre-configured at the factory.
Important notice: Firmware update of the HMI module might be required when replacing the controller. Please consult ABB for more details.

Open transition and Level 2 (TruONE ATS types OXA_2Q_)

Suitable for switches	Type	Code	Weight/unit [kg]
UL 30-260 Amps	OXACONTROL-400-L2	1SCA158502R1001	0,87
UL 400-1200 Amps	OXACONTROL-1600-L2	1SCA158496R1001	0,81

Open transition and Level 3 (TruONE ATS types OXA_3Q_)

Suitable for switches	Type	Code	Weight/unit [kg]
UL 30-260 Amps	OXACONTROL-400-L3	1SCA158503R1001	0,87
UL 400-1200 Amps	OXACONTROL-1600-L3	1SCA158497R1001	0,81

Open transition and Level 4 (TruONE ATS types OXA_3Q_)

Suitable for switches	Type	Code	Weight/unit [kg]
UL 30-260 Amps	OXACONTROL-400-L4	1SCA158504R1001	0,87
UL 400-1200 Amps	OXACONTROL-1600-L4	1SCA158498R1001	0,81

Delayed transition and Level 2 (TruONE ATS types OXB_2Q_)

Suitable for switches	Type	Code	Weight/unit [kg]
UL 30-260 Amps IEC 200-400 Amps	OXBCONTROL-400-L2	1SCA158505R1001	0,87
UL 400-1200 Amps IEC 500-1600 Amps	OXBCONTROL-1600-L2	1SCA158499R1001	0,81

Delayed transition and Level 3 (TruONE ATS types OXB_3Q_)

Suitable for switches	Type	Code	Weight/unit [kg]
UL 30-260 Amps IEC 200-400 Amps	OXBCONTROL-400-L3	1SCA158506R1001	0,87
UL 400-1200 Amps IEC 500-1600 Amps	OXBCONTROL-1600-L3	1SCA158500R1001	0,81

Delayed transition and Level 4 (TruONE ATS types OXB_4Q_)

Suitable for switches	Type	Code	Weight/unit [kg]
UL 30-260 Amps IEC 200-400 Amps	OXBCONTROL-400-L4	1SCA158507R1001	0,60
UL 400-1200 Amps IEC 500-1600 Amps	OXBCONTROL-1600-L4	1SCA158501R1001	0,54

Available only for ABB service engineers

HMI module

Including the HMI module, HMI door locking nut and adapter for connecting the HMI to the controller.
Important notice: Firmware update of the controller module might be required when replacing the HMI.
Please consult ABB for more details.



OXAHMI-L2

Open transition and Level 2 (TruONE ATS types OXA_2Q_)

Suitable for switches	Type	Code	Weight/unit [kg]
UL 30-1200 Amps	OXAHMI-L2	1SCA158540R1001	0,24



OXAHMI-L3

Open transition and Level 3 (TruONE ATS types OXA_3Q_)

Suitable for switches	Type	Code	Weight/unit [kg]
UL 30-1200 Amps	OXAHMI-L3	1SCA158541R1001	0,24



OXAHMI-L4

Open transition and Level 4 (TruONE ATS types OXA_3Q_)

Suitable for switches	Type	Code	Weight/unit [kg]
UL 30-1200 Amps	OXAHMI-L4	1SCA158542R1001	0,24



OXBHMI-L2

Delayed transition and Level 2 (TruONE ATS types OXB_2Q_)

Suitable for switches	Type	Code	Weight/unit [kg]
UL 30-1200 Amps IEC 200-1600 Amps	OXBHMI-L2	1SCA158543R1001	0,24



OXBHMI-L3

Delayed transition and Level 3 (TruONE ATS types OXB_3Q_)

Suitable for switches	Type	Code	Weight/unit [kg]
UL 30-1200 Amps IEC 200-1600 Amps	OXBHMI-L3	1SCA158544R1001	0,24



OXBHMI-L4

Delayed transition and Level 4 (TruONE ATS types OXB_4Q_)

Suitable for switches	Type	Code	Weight/unit [kg]
UL 30-1200 Amps IEC 200-1600 Amps	OXBHMI-L4	1SCA158545R1001	0,24

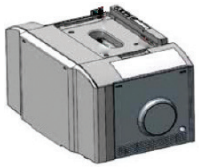
Switches

TruONE

TruONE ATS spare parts are available from Manufacturing Unit Vaasa, Finland



—
OX_MECH-2



—
OX_MECH-3
OX_MECH-4

Complete mechanism

Including the complete mechanism with power module, controller module and I/O terminal cover. HMI module must be ordered separately if needed.Please provide the full TruONE part number (one example OXB250E3S3QB) when ordering as the controller module will be pre-configured at the factory.
Important notice: Firmware update of the HMI module might be required when replacing the controller. Please consult ABB for more details.
It's recommended to replace the complete mechanism in case there's a need for replacing the power module or controller module as it's easier to replace the complete mechanism instead of replacing individual modules.

Open transition and Level 2 (TruONE ATS types OXA_2Q_)

Suitable for switches	Type	Code	Weight/unit [kg]
UL 30-260 Amps	OXAMECH-2-L2	1SCA158510R1001	7,80
UL 400-600 Amps	OXAMECH-3-L2	1SCA158516R1001	10,00
UL 800-1200 Amps	OXAMECH-4-L2	1SCA158522R1001	11,00

Open transition and Level 3 (TruONE ATS types OXA_3Q_)

Suitable for switches	Type	Code	Weight/unit [kg]
UL 30-260 Amps	OXAMECH-2-L3	1SCA158511R1001	7,80
UL 400-600 Amps	OXAMECH-3-L3	1SCA158517R1001	10,00
UL 800-1200 Amps	OXAMECH-4-L3	1SCA158523R1001	11,00

Open transition and Level 4 (TruONE ATS types OXA_3Q_)

Suitable for switches	Type	Code	Weight/unit [kg]
UL 30-260 Amps	OXAMECH-2-L4	1SCA158512R1001	7,80
UL 400-600 Amps	OXAMECH-3-L4	1SCA158518R1001	10,00
UL 800-1200 Amps	OXAMECH-4-L4	1SCA158524R1001	11,00

Delayed transition and Level 2 (TruONE ATS types OXB_2Q_)

Suitable for switches	Type	Code	Weight/unit [kg]
UL 30-260 Amps IEC 200-400 Amps	OXBMECH-2-L2	1SCA158513R1001	7,90
UL 400-600 Amps IEC 500-800 Amps	OXBMECH-3-L2	1SCA158519R1001	10,10
UL 800-1200 Amps IEC 1000-1600 Amps	OXBMECH-4-L2	1SCA158525R1001	11,10

Delayed transition and Level 3 (TruONE ATS types OXB_3Q_)

Suitable for switches	Type	Code	Weight/unit [kg]
UL 30-260 Amps IEC 200-400 Amps	OXBMECH-2-L3	1SCA158514R1001	7,90
UL 400-600 Amps IEC 500-800 Amps	OXBMECH-3-L3	1SCA158520R1001	10,10
UL 800-1200 Amps IEC 1000-1600 Amps	OXBMECH-4-L3	1SCA158526R1001	11,10

Delayed transition and Level 4 (TruONE ATS types OXB_4Q_)

Suitable for switches	Type	Code	Weight/unit [kg]
UL 30-260 Amps IEC 200-400 Amps	OXBMECH-2-L4	1SCA158515R1001	7,90
UL 400-600 Amps IEC 500-800 Amps	OXBMECH-3-L4	1SCA158521R1001	10,10
UL 800-1200 Amps IEC 1000-1600 Amps	OXBMECH-4-L4	1SCA158527R1001	11,10



—
OXHANDLE-1600

Manual handle

Including the manual handle for TruONE ATS.

Open transition (TruONE ATS types OXA_) and Delayed transition (TruONE ATS types OXB_)

Suitable for switches	Part Number	Code	Weight/unit [kg]
UL 30-1200 Amps IEC 200-1600 Amps	OXHANDLE-1600	1SCA158529R1001	0,18



—
OXCOVERKI

Cover kit

Including five covers for TruONE ATS: two different sizes of I/O terminal cover, empty sensor module cover and two status indicator covers.

Open transition (TruONE ATS types OXA_) and Delayed transition (TruONE ATS types OXB_)

Suitable for switches	Part Number	Code	Weight/unit [kg]
UL 30-1200 Amps IEC 200-1600 Amps	OXCOVERKIT	1SCA160162R1001	0,40



—
OXHMIKIT

HMI kit

Including the adapter for connecting the HMI to the controller and door locking nut for HMI.

Open transition and Level 4 (TruONE ATS types OXA_3Q_)

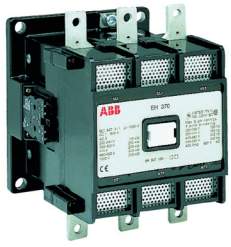
Suitable for switches	Part Number	Code	Weight/unit [kg]
UL 30-1200 Amps IEC 200-1600 Amps	OXHMIKIT	1SCA160163R1001	0,01

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.

1955	1967	1967	1983	1985	1997	2000	2013
EF contactor	**EG contactor**	**S range**	**B contactor**	**EH contactor**	**A Contactor**	**A/AF contactor**	**AF contactor**



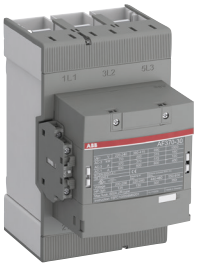
EH contactor



AF contactor



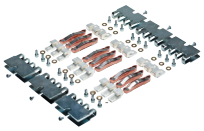
A Contactor



A/AF contactor



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	1SFN166503R1001	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), AF2850 (2)	ZL2650	1SFN166603R1000	1	1.200

1) From contactor with serial number 1S1601001403xxx
2) Do not include fixed parts or screws



ZW

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, AF2850	ZW2650	1SFN166610R1000	1	4.000

1) Fits old and new version

Contactors

Main Contact kit -
Replacement parts for the main contacts. Set includes complete base, moving contact bridge, return springs and U-plate.

For contactor	Type	Code	Pkg qty	Weight (1 pce) Kg
AF116	ZL116	1SFN164203R1000	1	0,410
AF140	ZL140	1SFN164403R1000	1	0,410
AF146	ZL146	1SFN164603R1000	1	0,410
AF190	ZL190	1SFN164803R1000	1	1,093
AF205	ZL205	1SFN165203R1000	1	1,093
AF265	ZL265	1SFN165403R1000	1	2,010
AF305	ZL305	1SFN165803R1000	1	2,010
AF370	ZL370	1SFN166003R1000	1	2,010
4-pole versions				
AF116	ZLT116	1SFN164204R1000	1	0,435
AF140	ZLT140	1SFN164404R1000	1	0,435
AF190	ZLT190	1SFN164804R1000	1	2,038
AF205	ZLT205	1SFN165204R1000	1	2,038
AF265	ZLT265	1SFN165404R1000	1	2,222
AF305	ZLT305	1SFN165804R1000	1	2,222
AF370	ZLT370	1SFN166004R1000	1	2,222

Only suitable for AF190...AF370 contactors that are "made in sweden" produced after 2018-09-01 (01/09/18).
Only suitable for AF190...AF370 contactors that are "made in china" produced after 2020-09-01 (01/09/20).



ZA185

Contactor coils AC operated

For contactors	Rated control circuit		Type	Code	Pkg qty	Weight (1 pce) Kg
	Votage Uc V 50 Hz	V 60 Hz				
A45 ... A75, UA50 ... UA75, UA50..RA ... UA75..RA, GA75	24	24	ZA75	1SBN153510R8106	1	0.166
	48	48	ZA75	1SBN153510R8306	1	0.166
	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 UA95, UA110 UA95..RA, UA110..RA	24	24	ZA110	1SFN154310R8106	1	0.170
	48	48	ZA110	1SFN154310R8306	1	0.170
	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

Coil Modules - 3 pole contactors
Coil modules replacement kit for 3-pole contactors. Includes coil, electronic module, fasteners, damping and terminal cover.

For contactors	Rated control circuit		Type	Code	Pkg qty	Weight (1 pce) Kg
	Votage Uc V 50 Hz	V 60 Hz				
AF116	24...60	20...60	ZAF116-11	1SFN154270R1106	1	0,324
	48...130	48...130	ZAF116-12	1SFN154270R1206	1	0,313
	100...250	100...250	ZAF116-13	1SFN154270R1306	1	0,288
	250...500	250...500	ZAF116-14	1SFN154270R1406	1	0,040
AF140	24...60	20...60	ZAF140-11	1SFN154470R1106	1	0,324
	48...130	48...130	ZAF140-12	1SFN154470R1206	1	0,313
	100...250	100...250	ZAF140-13	1SFN154470R1306	1	0,288
	250...500	250...500	ZAF140-14	1SFN154470R1406	1	0,298
AF146	24...60	20...60	ZAF146-11	1SFN154670R1106	1	0,324
	48...130	48...130	ZAF146-12	1SFN154670R1206	1	0,313
	100...250	100...250	ZAF146-13	1SFN154670R1306	1	0,288
	250...500	250...500	ZAF146-14	1SFN154670R1406	1	0,298
AF190/AF205	24...60	20...60	ZAF205-11	1SFN154870R1106	1	0,856
	48...130	48...130	ZAF205-12	1SFN154870R1206	1	0,831
	100...250	100...250	ZAF205-13	1SFN154870R1306	1	0,823
	250...500	250...500	ZAF205-14	1SFN154870R1406	1	0,818
AF265/AF305/AF370	24...60	20...60	ZAF370-11	1SFN155470R1106	1	1,262
	48...130	48...130	ZAF370-12	1SFN155470R1206	1	1,316
	100...250	100...250	ZAF370-13	1SFN155470R1306	1	1,036
	250...500	250...500	ZAF370-14	1SFN155470R1406	1	1,006

Only suitable for AF190...AF370 contactors that are "Made in Sweden" produced after 2018-09-01 (01/09/18).
Only suitable for AF190...AF370 contactors that are "made in china" produced after 2020-09-01 (01/09/20).

Contactors

Coil Modules - 3 pole contactors
Coil modules replacement kit for 3-pole contactors. Includes coil, electronic module, fasteners, damping and terminal cover.

PLC-Versions	Rated control circuit		Type	Code		Pkg qty	Weight (1 pce) Kg
	Votage Uc V 50 Hz	V 60 Hz					
AF116	24...60	20...60	ZAF116-31	1SFN154270R3106	1	0,31	
	48...130	48...130	ZAF116-32	1SFN154270R3206	1	0,324	
	100...250	100...250	ZAF116-33	1SFN154270R3306	1	0,31	
	250...500	250...500	ZAF116-34	1SFN154270R3406	1	0,324	
	110...120	110...120	ZAF116-42 (1)	1SFN154270R4206	1	0,31	
	220...240	220...240	ZAF116-43 (1)	1SFN154270R4306	1	0,324	
AF140	24...60	20...60	ZAF140-31	1SFN154470R3106	1	0,31	
	48...130	48...130	ZAF140-32	1SFN154470R3206	1	0,324	
	100...250	100...250	ZAF140-33	1SFN154470R3306	1	0,31	
	250...500	250...500	ZAF140-34	1SFN154470R3406	1	0,324	
	110...120	110...120	ZAF140-42 (1)	1SFN154470R4206	1	0,31	
	220...240	220...240	ZAF140-43 (1)	1SFN154470R4306	1	0,324	
AF146	24...60	20...60	ZAF146-31	1SFN154670R3106	1	0,31	
	48...130	48...130	ZAF146-32	1SFN154670R3206	1	0,324	
	100...250	100...250	ZAF146-33	1SFN154670R3306	1	0,31	
	250...500	250...500	ZAF146-34	1SFN154670R3406	1	0,324	
	110...120	110...120	ZAF146-42 (1)	1SFN154670R4206	1	0,31	
	220...240	220...240	ZAF146-43 (1)	1SFN154670R4306	1	0,324	
AF190	24...60	20...60	ZAF190-31	1SFN154870R3106	1	0,893	
	48...130	48...130	ZAF190-32	1SFN154870R3206	1	0,879	
	110...120	110...120	ZAF190-42 (1)	1SFN154870R3306	1	0,893	
	220...240	220...240	ZAF190-43 (1)	1SFN154870R3406	1	0,879	
AF205	24...60	20...60	ZAF205-31	1SFN155270R3106	1	0,893	
	48...130	48...130	ZAF205-32	1SFN155270R3206	1	0,879	
	100...250	100...250	ZAF205-33	1SFN155270R3306	1	0,893	
	250...500	250...500	ZAF205-34	1SFN155270R3406	1	0,879	
	110...120	110...120	ZAF205-42 (1)	1SFN154870R4206	1	0,893	
	220...240	220...240	ZAF205-43 (1)	1SFN154870R4306	1	0,879	
AF265	24...60	20...60	ZAF265-31	1SFN155470R3106	1	1,124	
	48...130	48...130	ZAF265-32	1SFN155470R3206	1	1,094	
	100...250	100...250	ZAF265-33	1SFN155470R3306	1	1,124	
	250...500	250...500	ZAF265-34	1SFN155470R3406	1	1,094	
AF305	24...60	20...60	ZAF305-31	1SFN155870R3106	1	1,124	
	48...130	48...130	ZAF305-32	1SFN155870R3206	1	1,094	
	100...250	100...250	ZAF305-33	1SFN155870R3306	1	1,124	
	250...500	250...500	ZAF305-34	1SFN155870R3406	1	1,094	
AF370	24...60	20...60	ZAF370-31	1SFN156070R3106	1	1,124	
	48...130	48...130	ZAF370-32	1SFN156070R3206	1	1,094	
	100...250	100...250	ZAF370-33	1SFN156070R3306	1	1,124	
	250...500	250...500	ZAF370-34	1SFN156070R3406	1	1,094	
	110...120	110...120	ZAF370-42 (1)	1SFN155470R4206	1	1,124	
	220...240	220...240	ZAF370-43 (1)	1SFN155470R4306	1	1,094	

1) For Contactors with coil -4X
Only suitable for AF190...AF370 contactors that are "made in sweden" produced after 2018-09-01 (01/09/18).
Only suitable for AF190...AF370 contactors that are "made in china" produced after 2020-09-01 (01/09/20).

Coil Modules - 4 pole contactors
Coil modules replacement kit for 4-pole contactors. Includes coil, electronic module, fasteners, damping and terminal cover.

For contactors	Rated control circuit		Type	Code	Pkg qty	Weight (1 pce) Kg
	Votage Uc V 50 Hz	V 60 Hz				
AF116	24...60	20...60	ZAF116-40-11	1SFN154270R1146	1	0,340
	48...130	48...130	ZAF116-40-12	1SFN154270R1246	1	0,331
	100...250	100...250	ZAF116-40-13	1SFN154270R1346	1	0,308
	250...500	250...500	ZAF116-40-14	1SFN154270R1446	1	0,320
AF140	24...60	20...60	ZAF140-40-11	1SFN154470R1146	1	0,340
	48...130	48...130	ZAF140-40-12	1SFN154470R1246	1	0,331
	100...250	100...250	ZAF140-40-13	1SFN154470R1346	1	0,308
	250...500	250...500	ZAF140-40-14	1SFN154470R1446	1	0,320
AF190/AF205	24...60	20...60	ZAF205-40-11	1SFN154870R1146	1	0,864
	48...130	48...130	ZAF205-40-12	1SFN154870R1246	1	0,841
	100...250	100...250	ZAF205-40-13	1SFN154870R1346	1	0,839
	250...500	250...500	ZAF205-40-14	1SFN154870R1446	1	0,834
AF265/AF305/AF370	24...60	20...60	ZAF370-40-11	1SFN155470R1146	1	1,272
	48...130	48...130	ZAF370-40-12	1SFN155470R1246	1	1,328
	100...250	100...250	ZAF370-40-13	1SFN155470R1346	1	1,052
	250...500	250...500	ZAF370-40-14	1SFN155470R1446	1	1,032

Only suitable for AF190...AF370 contactors that are "made in sweden" produced after 2018-09-01 (01/09/18).
Only suitable for AF190...AF370 contactors that are "Made in China" produced after 2020-09-01 (01/09/20).



ZAF110



ZAF300



ZAF1650

Contactor coils AC operated

For contactors	Rated control circuit		Type	Code	Pkg qty	Weight (1 pce) Kg
	Votage Uc V 50/60 Hz	V DC				
Coils type ZAF for AF45 ... AF2050 AC / DC operated contactors						
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	1SFN155 770R6906	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
AF2650...AF2850	48...130	48...130	ZA2650 (1)	1SFN156670R7026	1	0.900
			ZP2650 (2)	1SFN166621R1070	1	0.300

1) One set of two coil
2) Printed circuit board

Contactors

Electronic module
Electronic modules for 3-pole contactors

For contactors	Rated control circuit		Type	Code	Pkg qty	Weight (1 pce) Kg
	Votage Uc V 50 Hz	V 60 Hz				
AF116	24...60	20...60	ZP116-11	1SFN164223R1011	1	0,133
	48...130	48...130	ZP116-12	1SFN164223R1012	1	0,131
	100...250	100...250	ZP116-13	1SFN164223R1013	1	0,133
	250...500	250...500	ZP116-14	1SFN164223R1014	1	0,143
AF140	24...60	20...60	ZP140-11	1SFN164423R1011	1	0,133
	48...130	48...130	ZP140-12	1SFN164423R1012	1	0,131
	100...250	100...250	ZP140-13	1SFN164423R1013	1	0,133
	250...500	250...500	ZP140-14	1SFN164423R1014	1	0,143
AF146	24...60	20...60	ZP146-11	1SFN164623R1011	1	0,133
	48...130	48...130	ZP146-12	1SFN164623R1012	1	0,131
	100...250	100...250	ZP146-13	1SFN164623R1013	1	0,133
	250...500	250...500	ZP146-14	1SFN164623R1014	1	0,143
AF190/AF205	24...60	20...60	ZP205-11	1SFN164823R1011	1	0,61
	48...130	48...130	ZP205-12	1SFN164823R1012	1	0,61
	100...250	100...250	ZP205-13	1SFN164823R1013	1	0,61
	250...500	250...500	ZP205-14	1SFN164823R1014	1	0,62
AF265/AF305/AF370	24...60	20...60	ZP370-11	1SFN165423R1011	1	0,696
	48...130	48...130	ZP370-12	1SFN165423R1012	1	0,704
	100...250	100...250	ZP370-13	1SFN165423R1013	1	0,694
	250...500	250...500	ZP370-14	1SFN165423R1014	1	0,694

Only suitable for AF190...AF370 contactors that are "Made in Sweden" produced after 2018-09-01 (01/09/18)
Only suitable for AF190...AF370 contactors that are "made in china" produced after 2020-09-01 (01/09/20)

Electronic module
Electronic modules for 3-pole contactors

PLC-Versions	Rated control circuit		Type	Code		Pkg qty	Weight (1 pce) Kg
	Votage Uc V 50 Hz	V 60 Hz					
AF116	24...60	20...60	ZP116-31	1SFN164223R1031	1	0,155	
	48...130	48...130	ZP116-32	1SFN164223R1032	1	0,169	
	100...250	100...250	ZP116-33	1SFN164223R1033	1	0,155	
	250...500	250...500	ZP116-34	1SFN164223R1034	1	0,169	
	110...120	110...120	ZP116-42 (1)	1SFN164223R1042	1	0,155	
	220...240	220...240	ZP116-43 (1)	1SFN164223R1043	1	0,169	
AF140	24...60	20...60	ZP140-31	1SFN164423R1031	1	0,155	
	48...130	48...130	ZP140-32	1SFN164423R1032	1	0,169	
	100...250	100...250	ZP140-33	1SFN164423R1033	1	0,155	
	250...500	250...500	ZP140-34	1SFN164423R1034	1	0,169	
	110...120	110...120	ZP140-42 (1)	1SFN164423R1042	1	0,155	
	220...240	220...240	ZP140-43 (1)	1SFN164423R1043	1	0,169	
AF146	24...60	20...60	ZP146-31	1SFN164623R1031	1	0,155	
	48...130	48...130	ZP146-32	1SFN164623R1032	1	0,169	
	100...250	100...250	ZP146-33	1SFN164623R1033	1	0,155	
	250...500	250...500	ZP146-34	1SFN164623R1034	1	0,169	
	110...120	110...120	ZP146-42 (1)	1SFN164623R1042	1	0,155	
	220...240	220...240	ZP146-43 (1)	1SFN164623R1043	1	0,169	
AF190	24...60	20...60	ZP190-31	1SFN164823R1031	1	0,68	
	48...130	48...130	ZP190-32	1SFN164823R1032	1	0,68	
	100...250	100...250	ZP190-33	1SFN164823R1033	1	0,68	
	250...500	250...500	ZP190-34	1SFN164823R1034	1	0,68	
	110...120	110...120	ZP190-42	1SFN164823R1042	1	0,68	
	220...240	220...240	ZP190-43	1SFN164823R1043	1	0,68	
AF205	24...60	20...60	ZP205-31	1SFN165223R1031	1	0,68	
	48...130	48...130	ZP205-32	1SFN165223R1032	1	0,68	
	100...250	100...250	ZP205-33	1SFN165223R1033	1	0,68	
	250...500	250...500	ZP205-34	1SFN165223R1034	1	0,68	
AF265	24...60	20...60	ZP265-31	1SFN165423R1031	1	0,782	
	48...130	48...130	ZP265-32	1SFN165423R1032	1	0,782	
	100...250	100...250	ZP265-33	1SFN165423R1033	1	0,782	
	250...500	250...500	ZP265-34	1SFN165423R1034	1	0,782	
AF305	24...60	20...60	ZP305-31	1SFN165823R1031	1	0,782	
	48...130	48...130	ZP305-32	1SFN165823R1032	1	0,782	
	100...250	100...250	ZP305-33	1SFN165823R1031	1	0,782	
	250...500	250...500	ZP305-34	1SFN165823R1032	1	0,782	
AF370	24...60	20...60	ZP370-31	1SFN166023R1031	1	0,782	
	48...130	48...130	ZP370-32	1SFN166023R1032	1	0,782	
	110...120	110...120	ZP370-33	1SFN166023R1033	1	0,782	
	220...240	220...240	ZP370-34	1SFN166023R1034	1	0,782	
	110...120	110...120	ZP370-42 (1)	1SFN165423R1042	1	0,782	
	220...240	220...240	ZP370-43 (1)	1SFN165423R1043	1	0,782	
AF2650...AF2850	48...130	48...130	ZA26501	1SFN156670R7026	1	0,900	
	48...130	48...130	ZP26502	1SFN166621R1070	1	0,300	

1) For Contactors with coil -4X
Only suitable for AF190...AF370 contactors that are "made in sweden" produced after 2018-09-01 (01/09/18)
Only suitable for AF190...AF370 contactors that are "made in china" produced after 2020-09-01 (01/09/20).

Contactors

Electronic module
Electronic modules for 4-pole contactors

For contactors	Rated control circuit		Type	Code	Pkg qty	Weight (1 pce) Kg
	Votage Uc V 50 Hz	V 60 Hz				
AF116	24…60	20…60	ZPT116-11	1SFN164224R1011	1	0,149
	48…130	48…130	ZPT116-12	1SFN164224R1012	1	0,149
	100…250	100…250	ZPT116-13	1SFN164224R1013	1	0,153
	250…500	250…500	ZPT116-14	1SFN164224R1014	1	0,165
AF140	24…60	20…60	ZPT140-11	1SFN164424R1011	1	0,149
	48…130	48…130	ZPT140-12	1SFN164424R1012	1	0,149
	100…250	100…250	ZPT140-13	1SFN164424R1013	1	0,153
	250…500	250…500	ZPT140-14	1SFN164424R1014	1	0,165
AF190/AF205	24…60	20…60	ZPT205-11	1SFN165224R1011	1	0,618
	48…130	48…130	ZPT205-12	1SFN165224R1012	1	0,620
	100…250	100…250	ZPT205-13	1SFN165224R1013	1	0,626
	250…500	250…500	ZPT205-14	1SFN165224R1014	1	0,636
AF265/AF305/AF370	24…60	20…60	ZPT370-11	1SFN166024R1011	1	0,706
	48…130	48…130	ZPT370-12	1SFN166024R1012	1	0,716
	100…250	100…250	ZPT370-13	1SFN166024R1013	1	0,710
	250…500	250…500	ZPT370-14	1SFN166024R1014	1	0,720

Only suitable for AF190…AF370 contactors that are "made in sweden" produced after 2018-09-01 (01/09/18)
Only suitable for AF190…AF370 contactors that are "made in china" produced after 2020-09-01 (01/09/20).

LVRT Low voltage ride through PCB

For contactors	Type	Code	Pkg qty	Weight (1 pce) Kg
AF1350…AF2850(T)		1SFN165503R9126		

Spare part cover

For contactor type	Type	Code	Pkg qty	Weight (1 pce) kg
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
AF2850 (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



AFKIT

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



AFBRG





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LL146-30



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LD146-30

Mounting kits

For contactor type	Type	Code	Pkg qty	Weight (1 pce) kg
3-pole contactors				
AF116 ... AF146	LL146-30	1SFN074211R1000	6	0.102
AF190 ... AF205	LL205-30	1SFN074811R1000	1	0.166
AF265 ... AF370	LL370-30	1SFN075411R1000	1	0.173
AF400 ... AF460	LE460	1SFN075716R1000	6	0.600
AF580 ... AF750	LE750	1SFN076116R1000	6	0.750
4-pole contactors				
AF116 ... AF140	LL146-40	1SFN074211R2000	8	0.132
AF190 ... AF205	LL205-40	1SFN074811R2000	2	0.216
AF265 ... AF370	LL370-40	1SFN075411R2000	2	0.224

Connection module

Connection module can be fixed on AF116 ... AF146 delivered with bar terminals.

For contactor type	Type	Code	Pkg qty	Weight (1 pce) kg
3-pole contactors				
AF116 ... AF146	LD146-30	1SFN074208R1000	2	0.165
4-pole contactors				
AF116 ... AF140	LD146-40	1SFN074208R2000	2	0.225

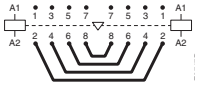
Contactors



KZK370

3-pole contactors type EH

For contactor type	Type	Code	Pkg qty	Weight (1 pce) kg
Main contact sets for 3-pole contactors type EH				
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	
Main contact sets for single pole NC contactors type EHDB				
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	
Main contact sets for 2-pole NO contactors type EHDB				
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	
Main contact sets for 4-pole contactors type EK				
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
Connection for reversing contactors				
EH1200				
Connection for 4-pole changeover contactors				
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

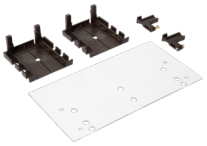


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KW800

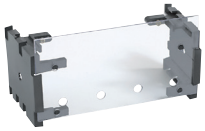
Arc chute

For contactor type	Type	Code	Pkg qty	Weight (1 pce) kg
Arc chute for 3-pole contactors type EH				
EH700	KW700	5223351-N		2.890
EH800	KW800	5223351-P		2.890
EH1200	KW1200	5223354-H		
Arc chute for 2-pole contactors type EHDB				
EHDB220	KWD220-2P	5223353-B	1 set	
EHDB280	KWD280-2P	5223353-C	1 set	
EHDB650	KWP650-2P	5223353-F	1 set	
EHDB800	KWP800-2P	5223353-G	1 set	
EHDB960	KWP960-2P	5223353-H	1 set	
Arc chute for 3-pole contactors type EHDB				
EHDB220	KWD220-3P	5223352-B	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	
Arc chute for 4-pole contactors type EK				
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

Contactors



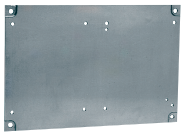
LT700-E



LT1000-EK

Terminal shrouds

Mounting on contactors	Type	Code	Pkg qty	Weight (1 pce) kg
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

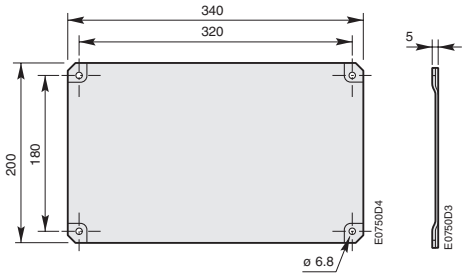


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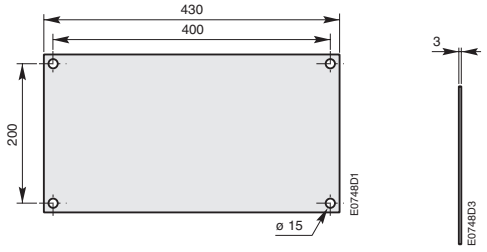
Mounting plates

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				
EH260, EH300	VH300	EH175, EH210	PN300-22	SK829075-E		2.070
EH260, EH300	VH300	EH260, EH300				
EK175, EK210	VH300	EK175, EK210				

Main dimensions mm



PN210-22



PN300-22

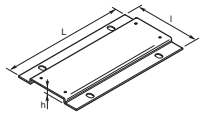


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PR300-1

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

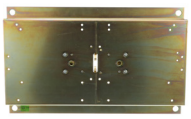
Note: The adapter plates provided for the A ... contactors can also be used for the AF ... contactors.



Dimensions (mm)

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



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VH550



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VKV150

Mechanical and electrical interlocking units

For contactors on left	on right	Type	Code	Pkg qty	Weight (1 pce) kg
Mechanical interlock units of two horizontal mounted contactors					
EH370, EH550 EHDB520 ... EHDB650	EH260 ... EH550 EHDB520 ... EHDB650	VH550	SK829070-E	1	5.000
EH700, EH800 EH370, EH550 EHDB800, EHDB960	EH370 ... EH800 EK370, EK550 EHDB800, EHDB960	VH800	SK829070-F	1	6.000
Mechanical and electrical interlock units of two horizontal mounted contactors					
EH175, EH210 EHDB220 ... EHDB360	EK175, EK210 EHDB220 ... EHDB360	VH300	SK829071-B	1	0.130
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 EK175, EK210	EH260, EH300 EK175, EK210	VHV300	SK829072-D		0.430
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
AC or DC operated coils for EH and EK contactors				
EH175, EH210 EK110, EK150 EHDB220, EHDB280	KH210	SK825400-❑❑		0.360
EH260, EH300 EK175, EK210 EHDB360	KH300	SK826400-❑❑		0.440
EH370, EH450, EH550 EHDB520, EHDB650	KH550	SK827100-❑❑		0.780
EH700, EH800 EK370, EK550, EK1000 EHDB800, EHDB960	KH800	SK828100-❑❑		0.950
EH1200	KH1200	SK828101-❑❑		
Sets including a DC coil, an economy resistor and an insertion contact				
EH700 ... EH800	KP800	SK828150-❑❑		0.950

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

AC operated

Voltage		Contactor [1] / coil [2] type				Coil code	
50 Hz	60Hz	EH550 / KH550	EH700 / KH800	EH800 / KH800	EH1200 / KH1200	❑	❑
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

DC operated

Voltage V DC	Contactor [1]/coil [2] type EH550 / KH550	KP800	Coil code ❑	❑
24	●		D	B
110		●	D	E
125		●	D	U
220		●	D	F

Multi frequency

Voltage	Contactor [1] / coil [2] type				Coil code	
40 ... 400 Hz	EH550 / KH550	EH700 / KH800	EH800 / KH800	EH1200 / KH1200	❑	❑
115 ... 127	●	–	–	–	E	G
220 ... 230	●	●	●	●	E	L
230 ... 240	–	●	●	–	E	M
400...415	●	–	–	–	E	M

Contactors

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

AC operated

Voltage 50 Hz	60Hz	Contactor [1] / coil [2] type							Coil code	
		EK110 / KH210	EK150 / KH210	EK175 / KH300	EK210 / KH300	EK370 / KH550	EK550 / KH550	EK1000 /KH800	❑	❑
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
250		–	–	–	–	–	–	●	B	B
380 ... 400	440	●	●	●	●	●	●	●	A	P
400 ... 415		●	●	●	●	●	●	●	A	R
500		–	–	–	–	–	–	●	A	U
	600	–	–	–	●	–	–	–	A	V
660		–	–	–	–	–	–	●	A	Y

DC operated

Voltage V d.c.	Contactor [1] / coil [2] type							Coil code	
	EK110 / KH210	EK150 / KH210	EK175 / KH300	EK210 / KH300	EK370 / KH550	EK550 / KH550	EK1000 / KH800	❑	❑
24	●	●	●	●	–	–	–	D	B
48	●	●	●	●	–	–	●	D	D
110	●	●	●	●	●	●	●	D	E
220	●	●	●	●	–	●	●	D	F
125	●	●	●	●	●	●	–	D	U
17 ... 32	–	–	–	–	–	–	●	W	B
77 ... 143	●	●	●	●	–	–	–	W	E
90 ... 150	●	–	–	–	–	–	–	W	U

Multi frequency

Voltage 40 ... 400 Hz	Contactor [1] / coil [2] type							Coil code	
	EK110 / KH210	EK150 / KH210	EK175 / KH300	EK210 / KH300	EK370 / KH550	EK550 / KH550	EK1000 /KH800	❑	❑
110 ... 120	●	●	●	●	●	●	●	E	F
115 ... 127	●	●	–	–	●	●	●	E	G
220 ... 230	●	●	●	●	●	●	●	E	L
230 ... 240	●	●	●	●	●	●	●	E	M
380 ... 400	–	–	–	–	–	–	●	E	R

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

AC operated

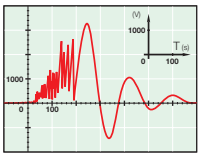
Voltage		Contactor [1] / coil [2] type							Coil code	
50 Hz	60Hz	EHDB220 / KH210	EHDB280 / KH210	EHDB360 / KH300	EHDB520 / KH550	EHDB650 / KH550	EHDB800 / KH800	EHDB960 / KH800	❑	❑
110		●	●	●	●	●	●	●	A	F
	240	●	●	●	●	–	–	–	A	K
230		●	●	●	●	●	●	–	A	L
230 ... 240		–	●	–	–	–	–	–	A	M
	208	●	●	●	–	–	–	–	A	Z
110 ... 115		●	●	●	–	–	–	–	G	G

Note: GG includes surgesupressor

DC operated

Voltage	Contactor [1] / coil [2] type							Coil code	
V d.c.	EHDB220 / KH210	EHDB280 / KH210	EHDB360 / KH300	EHDB520 / KH550	EHDB650 / KH550	EHDB800 / KH800	EHDB960 / KH800	❑	❑
24	●	●	●	●	–	–	–	D	B
125	●	–	–	–	–	●	–	D	U
110	●	●	●	–	–	–	–	D	E
110	●	●	–	–	–	–	–	R	E

Contactors



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.

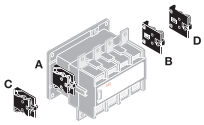
Overvoltage Factor
The overvoltage factor k is defined as the ratio of the maximum overvoltage peak value Ûs to the peak value Ûc of the coil rated control voltage Uc:

$$k = \frac{\hat{U}s\ max.}{\hat{U}c} \qquad \text{in DC: } k = \frac{\hat{U}s\ max.}{Uc} \qquad \text{or in AC: } k = \frac{\hat{U}s\ max.}{Uc\sqrt{2}}$$

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 Uc			Type	Code	Pkg qty	Weight (1 pce)
	V	AC	DC				kg
EH175 ... EH300, EK100 ... EK210	24...48	❑	–	RC-EH300/48	SK829007-A	2	0.015
	110...415	❑	–	RC-EH300/416	SK829007-B	2	0.015
EHDB130 ... EHDB360	110...415	–	❑	RC-EH300/415	SK829007-B		0.015
EH370 ... EH800, EK370 ... EK550	48...100	❑	–	RC-EH800/110	SK829007-C	2	0.015
EHDB520 ... EHDB960		–	❑				
EH175 ... EH800, EK110 ... EK550	24...125	–	❑				
EH370 ... EH800, EK370 ... EK1000	220...600	❑	–	RC-EH800/600	SK829007-D	2	0.015
EHDB520 ... EHDB960		–	❑				



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Mounting positions of the CAL16-11

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.

Arc guards

ABB offers arc mitigation through Arc Guard System™

With over 40 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
30 m	1SFA663003R1300		0.300
60 m	1SFA663003R9001		-



Optical cables

Cable length	Code	Pkg qty	Weight (1 pce) kg
1 m	1SFA663004R1010		0.010
6 m	1SFA663004R1060		0.060
10 m	1SFA663004R1100		0.100
20 m	1SFA663004R1200		0.200
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

Softstarters



ABB's softstarters increase a motor's lifetime by protecting it from electrical stresses. They do so by letting you optimize starting currents that with conventional starting methods put lots of stress on the motor. With many built-in motor protection features, your motor is safe in its hands. ABB's softstarters are also installation-friendly and can cut your assembly and startup time by being easy to use and easy to learn.

With everything that you need in one unit, from bypass contactor to overload protection, a single softstarter makes for a compact and complete starting solution. Furthermore, with many application specific features, ABB's softstarters can ultimately help you increase productivity. Torque control, pump cleaning and many more features let you do more than simply softstarting.

For more manuals and marketing materials scan the QR code or visit:
solutions.abb/softstarter-manuals

Softstarters
Motor starting matters

You're in control of every life cycle phase of your softstarter. This table defines the services recommended and available throughout softstarter lifespan.

- Secure motor reliability
- Improve installation efficiency
- Increase application productivity



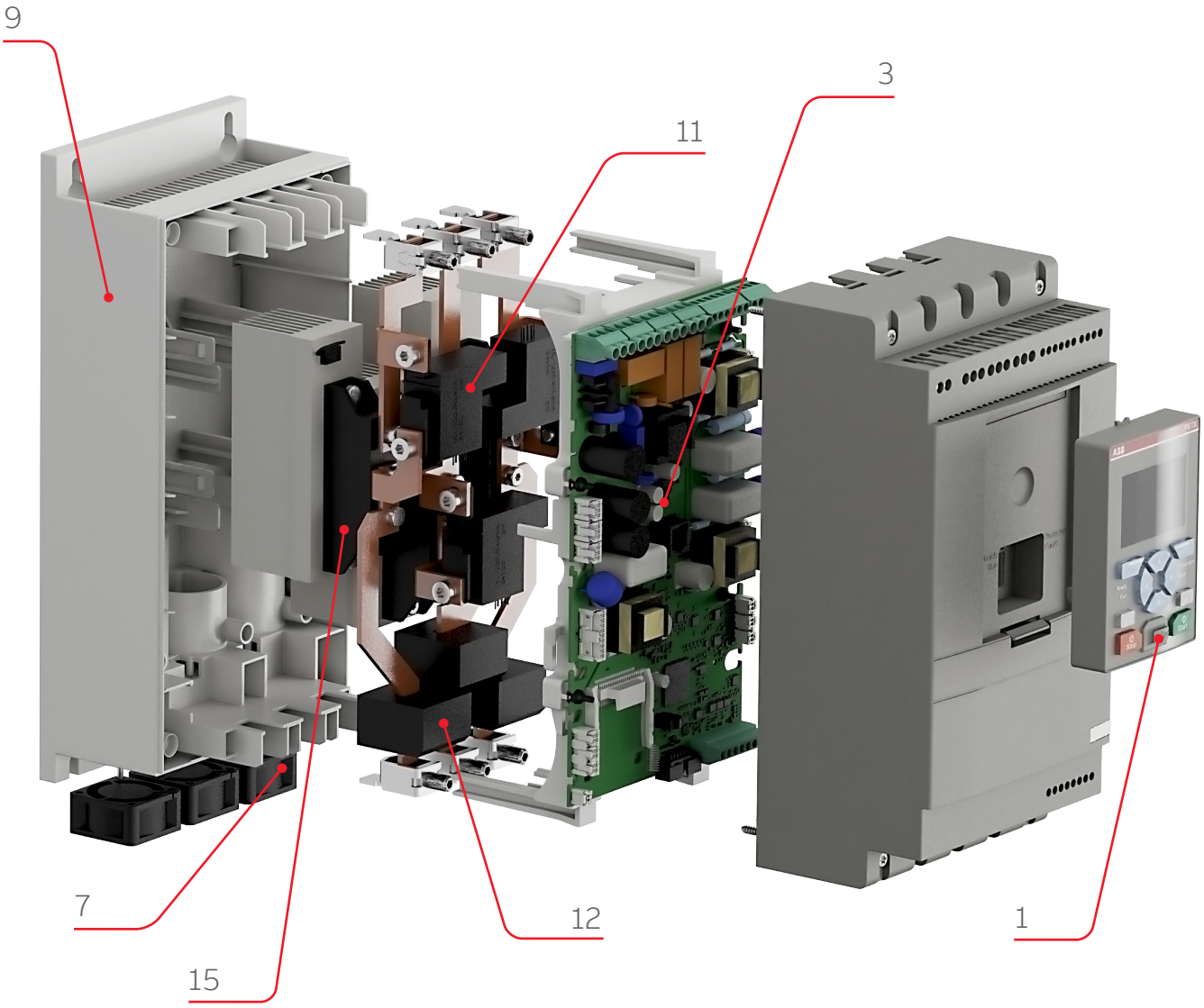
	ACTIVE	CLASSIC	LIMITED	OBSOLETE
	FULL RANGE OF LIFE CYCLE SERVICES AND SUPPORT		LIMITED RANGE OF LIFE CYCLE SERVICES AND SUPPORT	REPLACEMENT AND END-OF-LIFE SERVICES
PRODUCT	Product is in active sales and manufacturing phase.	Serial production has ceased. Product may be available for plant extensions, as a spare part or for installed base renewal.	Serial production has ceased. Product may be available for plant extensions, as a spare part or for installed base renewal.	Product is no longer available.
SERVICE	Full range of life cycle services is available.	Full range of life cycle services is available. Product enhancements may be available through upgrade and retrofit solutions.	Limited range of life cycle services is available. Spare parts availability is limited to available stock.	Replacement and end-of-life services are available.

Legend of the column titles	
Description	A short description of the spare part
For softstarter type	The softstarter type the spare part is intended to
Type	The type code of the part
Order code	The global catalog number
Pcs/unit	The amount that is required for one softstarters
Pkg qty	The amount that is delivered per type code
Kg	The total weight of the package
Price	Enter your local price
Main voltage	If this is specified, it means that the part can handle the specified voltage. Otherwise, it will be applicable for all softstarters for this particular model and size.

Example 2: The cooling fan with ID 1SFA899215R1040 and type code PSFA-40 is delivered individual. If all three should be replaced, please order 3 x 1SFA899215R1040

Example 3: The thyristors in a PSTX470 for 600 V need to be replaced. The pkg quantity is 2, and the pcs per softstarter required is 6. If all thyristors should be replaced, 3 x 1SFA899211R2880 should be ordered.

Softstarters
PSTX Softstarters





PSDKP-1

1 - HMI

Description	For softstarter type	Type	Order code	Pcs/unit	Pkg qty	kg
HMI module [1]	PSTX30 ... PSTX1250	PSDKP-1	1SFA899319R1001	1	1	0.33
HMI spare part kit [2]	PSTX30 ... PSTX1250	PSACC-1	1SFA899320R1001	1	1	0.14

1) Including RJ45 connector, keypad unit and manual
2) Including RJ45 connector, RJ45 cable, anybus connection cover, HMI gasket and nut, and rubber cover for HMI front.
Note: please read more in this document 1SFC132098M0201



PSCA-1

2 - USB cable for PSTX-PC connection

Description	For softstarter type	Type	Order code	Pcs/unit	Pkg qty	kg
Cable	PSTX30 ... PSTX1250	PSCA-1	1SFA899314R1001	1	1	0.05



PSPCB

3 - Printed circuit board

Description	For softstarter type	Type	Order code	Pcs/unit	Pkg qty	kg
Control board 1	PSTX30...PSTX170	PSPCB-CB-1	1SFA899301R1007	1	1	0.65
Control board 2	PSTX210...PSTX370	PSPCB-CB-2	1SFA899301R1008	1	1	0.66
Control board 3	PSTX470...PSTX1250	PSPCB-CB-3	1SFA899301R1009	1	1	0.67



PSFA

4 - Cooling fan

Description	For softstarter type	Type	Order code	Pcs/unit	Pkg qty	kg
Cooling fan	PSTX30...PSTX105	PSFA-40	1SFA899215R1040	3	1	0.03
Cooling fan	PSTX142...PSTX170	PSFA-60	1SFA899215R1060	3	1	0.06
Cooling fan	PSTX210...PSTX370	PSFA-80	1SFA899215R1080	3	1	0.07
Cooling fan	PSTX470...PSTX1250	PSFA-80-1	1SFA899315R1080	4	1	0.09



PSSP-1

5 - Side plate

Description	For softstarter type	Type	Order code	Pcs/unit	Pkg qty	kg
Side plate	PSTX470...PSTX570	PSSP-1	1SFA899304R1001	2	1	0.64
Side plate	PSTX720...PSTX840	PSSP-2	1SFA899304R1002	2	1	1.17
Side plate	PSTX1050...PSTX1250	PSSP-3	1SFA899304R1003	2	1	1.17



PSEP-1

6 - End plate (Top plate)

Description	For softstarter type	Type	Order code	Pcs/unit	Pkg qty	kg
End plate	PSTX470...PSTX570	PSEP-1	1SFA899305R1001	1	1	0.17
End plate	PSTX720...PSTX840	PSEP-2	1SFA899305R1002	1	1	0.32
End plate	PSTX1050...PSTX1250	PSEP-3	1SFA899305R1003	1	1	0.36

Pcs/unit: The amount that is required for one softstarter
Pkg qty: The amount that is delivered per type code

Softstarters
PSTX Softstarters



PSFP-1

7 - Fan plate

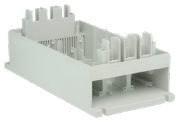
Description	For softstarter type	Type	Order code	Pcs/unit	Pkg qty	kg
Fan plate	PSTX470...PSTX570	PSFP-1	1SFA899306R1001	1	1	0.15
Fan plate	PSTX720...PSTX840	PSFP-2	1SFA899306R1002	1	1	0.29
Fan plate	PSTX1050...PSTX1250	PSFP-3	1SFA899306R1003	1	1	0.34



PSSY-1

8 - Stays

Description	For softstarter type	Type	Order code	Pcs/unit	Pkg qty	kg
Stay	PSTX470...PSTX840	PSSY-1	1SFA899307R1840	2	1	0.13
Stay	PSTX1050...PSTX1250	PSSY-2	1SFA899307R2250	2	1	0.15



PSEB-1

9 - Plastic bottom

Description	For softstarter type	Type	Order code	Pcs/unit	Pkg qty	kg
Plastic bottom	PSTX30...PSTX105	PSEB-1	1SFA899308R1001	1	1	1.27
Plastic bottom	PSTX142...PSTX170	PSEB-2	1SFA899308R1002	1	1	1.90
Plastic bottom	PSTX210...PSTX370	PSEB-3	1SFA899308R1003	1	1	3.67



PSCBH-1

10 - Bar holder

Description	For softstarter type	Type	Order code	Pcs/unit	Pkg qty	kg
Circ. board bar holder	PSTX30...PSTX105	PSCBH-1	1SFA899312R1001	1	1	0.45
Circ. board bar holder	PSTX142...PSTX170	PSCBH-2	1SFA899312R1002	1	1	0.62
Circ. board bar holder	PSTX210...PSTX370	PSCBH-3	1SFA899312R1003	1	1	0.74
Circ. board bar holder	PSTX470...PSTX1250	PSCBH-4	1SFA899312R1004	1	1	0.57
Bar Holder	PSTX470...PSTX570	PSBH-5	1SFA899313R1005	2	1	0.84
Bar holder	PSTX720...PSTX1250	PSBH-6	1SFA899313R1006	2	1	0.82



PSBP-120

11 - Bypass relay and contactor

Description	For softstarter type	Type	Order code	Pcs/unit	Pkg qty	kg
Bypass relay and contactor	PSTX30...PSTX105	PSBP-120	1SFA899201R1120	3	1	0.17
Bypass relay and contactor	PSTX142...PSTX170	PSBP-200	1SFA899201R1200	2	1	0.33
Bypass relay and contactor	PSTX210...PSTX370	PSBP-205	1SFA899301R1250	1	1	1.57
Bypass relay and contactor	PSTX470...PSTX570	PSBP-370	1SFA899301R1570	1	1	4.61
Bypass relay and contactor	PSTX720...PSTX1050	PSBP-750	1SFA899301R1750	1	1	15.0
Bypass relay and contactor	PSTX1250	PSBP-1250	1SFA899301R2250	1	1	15.0

Pcs/unit: The amount that is required for one softstarter
Pkg qty: The amount that is delivered per type code



PSCT-570

12 - Current transformers

Description	Ratio	For softstarter type	Type	Order code	Pcs/unit	Pkg qty	kg
Current transformer	105/0.025	PSTX30...PSTX105	PSCT-105	1SFA899302R1105	3	1	0.12
Current transformer	175/0.025	PSTX142...PXTX170	PSCT-175	1SFA899302R1175	3	1	0.16
Current transformer	370/0.200	PSTX210...PSTX370	PSCT-370	1SFA899302R1370	3	1	0.25
Current transformer	570/0.200	PSTX470...PSTX570	PSCT-570	1SFA899302R1570	3	1	0.42
Current transformer	840/0.200	PSTX720...PSTX840	PSCT-840	1SFA899302R1840	3	1	0.45
Current transformer	1250/0.200	PSTX1050...PSTX1250	PSCT-1250	1SFA899302R2250	3	1	0.73



PSLE-185

13 - Terminal kit

Description	For softstarter type	Type	Order code	Pcs/unit	Pkg qty	kg
Terminal kit	PSTX142...PSTX170	PSLE-185	1SFA899221R1002	2	2	0.20
Terminal kit	PSTX210...PSTX370	PSLE-300	1SFA899221R1003	2	2	0.20
Terminal kit	PSTX470...PSTX570	PSLE-460	1SFA899221R1004	6	6	0.56
Terminal kit	PSTX720...PSTX1250	PSLE-750	1SFA899221R1005	6	6	0.68



PSPB-1

14 - Cleaning kit

Description	For softstarter type	Type	Order code	Pcs/unit	Pkg qty	kg
Sufficient for replacing 10 thyristor blocks [1]	PSTX30 ... PSTX370	PSPB-1	1SFA899012R1001	1	1	0.05
Sufficient for replacing 20 thyristor disc [2]	PSTX470 ... PSTX1250	PSPB-2	1SFA899012R1002	1	1	0.05

1) The kit contains: Heat conducting paste tube ELFA NO 80-860-27 and instructions.
2) The kit contains: 25 ml Silicon oil, 1 pc Abrasive cloth, 2 pc Lint free paper, instructions.

Pcs/unit: The amount that is required for one softstarter
Pkg qty: The amount that is delivered per type code

Softstarters
PSTX Softstarters



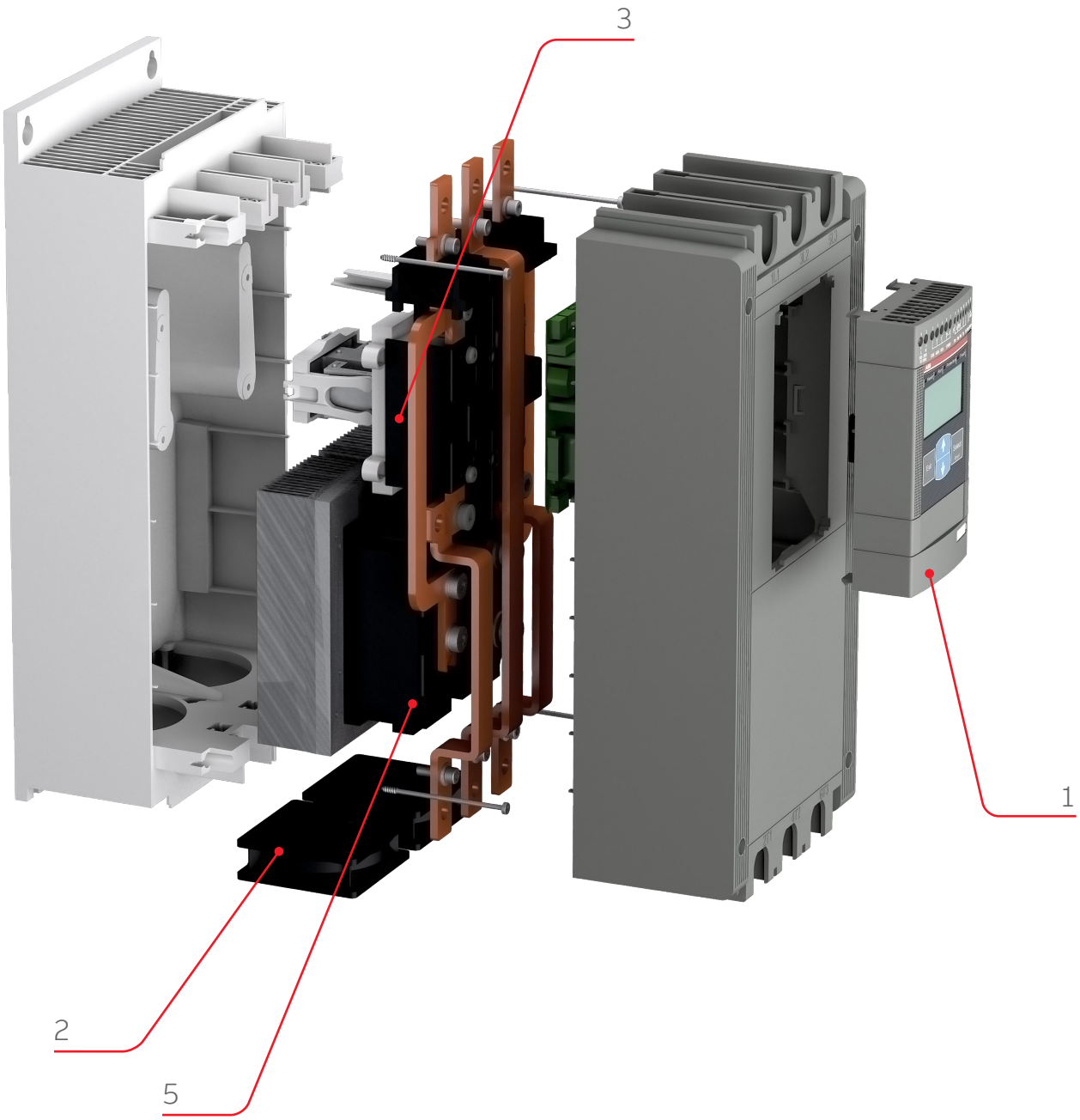
Thyristor

15 - Thyristor (SCR)

Description	Main voltage	For softstarter type	Type	Order code	Pcs/unit	Pkg qty	kg
Thyristor (SCR)	<= 600 V	PSTX30	PSTHM-44/16	1SFA899210R1044	3	1	0.25
Thyristor (SCR)	<= 600 V	PSTX37	PSTHM-56/16	1SFA899210R1056	3	1	0.25
Thyristor (SCR)	<= 600 V	PSTX45	PSTHM-95/16	1SFA899210R1095	3	1	0.25
Thyristor (SCR)	<= 600 V	PSTX60	PSTHM-95/16	1SFA899210R1095	3	1	0.25
Thyristor (SCR)	<= 600 V	PSTX72	PSTHM-132/16	1SFA899210R1132	3	1	0.33
Thyristor (SCR)	<= 600 V	PSTX85	PSTHM-132/16	1SFA899210R1132	3	1	0.33
Thyristor (SCR)	<= 600 V	PSTX105	PSTHM-162/16	1SFA899210R1162	3	1	0.33
Thyristor (SCR)	<= 600 V	PSTX142	PSTHM-200/16	1SFA899210R1200	3	1	0.33
Thyristor (SCR)	<= 600 V	PSTX170	PSTHM-312/16	1SFA899210R1312	3	1	0.84
Thyristor (SCR)	<= 600 V	PSTX210	PSTHM-312/16	1SFA899210R1312	3	1	0.84
Thyristor (SCR)	<= 600 V	PSTX250	PSTHM-501/16	1SFA899210R1501	3	1	1.50
Thyristor (SCR)	<= 600 V	PSTX300	PSTHM-501/16	1SFA899210R1501	3	1	1.50
Thyristor (SCR)	<= 600 V	PSTX370	PSTHM-501/16	1SFA899210R1501	3	1	1.50
Thyristor (SCR)	<= 600 V	PSTX470	PSTP-1880/16	1SFA899211R2880	6	2	0.51
Thyristor (SCR)	<= 600 V	PSTX570	PSTP-2280/16	1SFA899211R3280	6	2	0.64
Thyristor (SCR)	<= 600 V	PSTX720	PSTP-2880/16	1SFA899211R3880	6	2	0.65
Thyristor (SCR)	<= 600 V	PSTX840	PSTP-3360/16	1SFA899211R4360	6	2	0.66
Thyristor (SCR)	<= 600 V	PSTX1050	PSTP-4200/16	1SFA899211R5200	6	2	1.18
Thyristor (SCR)	<= 600 V	PSTX1250	PSTP-5000/16	1SFA899211R6000	6	2	1.08
Thyristor (SCR)	<= 690 V	PSTX30	PSTHM-44/18	1SFA899311R1044	3	1	0.25
Thyristor (SCR)	<= 690 V	PSTX37	PSTHM-56/18	1SFA899311R1056	3	1	0.25
Thyristor (SCR)	<= 690 V	PSTX45	PSTHM-95/18	1SFA899311R1095	3	1	0.25
Thyristor (SCR)	<= 690 V	PSTX60	PSTHM-95/18	1SFA899311R1095	3	1	0.25
Thyristor (SCR)	<= 690 V	PSTX72	PSTHM-132/18	1SFA899311R1132	3	1	0.33
Thyristor (SCR)	<= 690 V	PSTX85	PSTHM-132/18	1SFA899311R1132	3	1	0.33
Thyristor (SCR)	<= 690 V	PSTX105	PSTHM-162/18	1SFA899311R1162	3	1	0.33
Thyristor (SCR)	<= 690 V	PSTX142	PSTHM-200/18	1SFA899311R1200	3	1	0.33
Thyristor (SCR)	<= 690 V	PSTX170	PSTHM-312/18	1SFA899311R1312	3	1	0.84
Thyristor (SCR)	<= 690 V	PSTX210	PSTHM-312/18	1SFA899311R1312	3	1	0.84
Thyristor (SCR)	<= 690 V	PSTX250	PSTHM-501/18	1SFA899311R1501	3	1	1.50
Thyristor (SCR)	<= 690 V	PSTX300	PSTHM-501/18	1SFA899311R1501	3	1	1.50
Thyristor (SCR)	<= 690 V	PSTX370	PSTHM-501/18	1SFA899311R1501	3	1	1.50
Thyristor (SCR)	<= 690 V	PSTX470	PSTP-1880/18	1SFA899311R2880	6	2	0.46
Thyristor (SCR)	<= 690 V	PSTX570	PSTP-2280/18	1SFA899311R3280	6	2	0.64
Thyristor (SCR)	<= 690 V	PSTX720	PSTP-2880/18	1SFA899311R3880	6	2	0.65
Thyristor (SCR)	<= 690 V	PSTX840	PSTP-3360/18	1SFA899311R4360	6	2	0.66
Thyristor (SCR)	<= 690 V	PSTX1050	PSTP-4200/18	1SFA899311R5200	6	2	1.18
Thyristor (SCR)	<= 690 V	PSTX1250	PSTP-5000/18	1SFA899311R6000	6	2	1.08

Pcs/unit: The amount that is required for one softstarter
Pkg qty: The amount that is delivered per type code

Softstarters
PSE



Softstarters
PSE


PSEHMI-1

1 - HMI and PCBA

Description	For softstarter type	Type	Order code	Pcs/unit	Pkg qty	kg
HMI and PCBA	PSE18 ... PSE105	PSEHMI-1	1SFA899219R7001	1	1	0.56
HMI and PCBA	PSE142 ... PSE170	PSEHMI-2	1SFA899219R7002	1	1	0.56
HMI and PCBA	PSE210 ... PSE370 (1)	PSEHMI-3	1SFA899219R7003	1	1	0.56
HMI and PCBA	PSE210... PSE370 (2)	PSEHMI-4	1SFA899219R7004	1	1	0.56

1) For PSE frame C Gen1 with article number: 1SFA89711XR7000
2) For PSE frame C Gen2 with article number: 1SFA89711XR7001


PSFA-40

2 - Cooling fan

Description	For softstarter type	Type	Order code	Pcs/unit	Pkg qty	kg
Cooling fan	PSE18 ... PSE105	PSFA-40	1SFA899215R1040	2	1	0.03
Cooling fan	PSE142 ... PSE170	PSFA-60	1SFA899215R1060	2	1	0.06
Cooling fan	PSE210 ... PSE370	PSFA-80	1SFA899215R1080	2	1	0.07


PSBP-120

3 - Bypass relays and contactors

Description	For softstarter type	Type	Order code	Pcs/unit	Pkg qty	kg
Bypass relays and contactors	PSE18 ... PSE105	PSBP-120	1SFA899201R1120	2	1	0.09
Bypass relays and contactors	PSE142 ... PSE170	PSBP-200	1SFA899201R1200	1	1	0.33
Bypass relays and contactors	PSE210 ... PSE370 (2)	PSBP-205-1	1SFA899301R1260	1	1	1.39

1) For PSE frame C Gen1 with article number: 1SFA89711XR7000
2) For PSE frame C Gen2 with article number: 1SFA89711XR7001
3) AF110 contactors are not available for sales due to discontinuation. Please use available contactor spare parts.



PS-MBIA

4 - Accessories

Description	For softstarter type	Type	Order code	Pcs/unit	Pkg qty	kg
USB-cable for PSE-PC connection	PSE18 ... PSE370	PSECA	1SFA897201R1001	1	1	0.13
Terminal Extensions retrofit kit	PSE142 ... PSE170	LXR370	1SFA899222R1003	1	1	0.45
Modbus adaptor	PSE210 ... PSE370	PS-MBIA	1SFA899300R1020	1	1	0.01

Pcs/unit: The amount that is required for one softstarter
Pkg qty: The amount that is delivered per type code



Thyristor

5 - Thyristor (SCR)

Description	Main voltage	For softstarter type	Type	Order code	Pcs/unit	Pkg qty	kg
Thyristor (SCR)	<= 600 V	PSE18	PSTHM-26/16	1SFA899210R1026	2	1	0.09
Thyristor (SCR)	<= 600 V	PSE25	PSTHM-26/16	1SFA899210R1026	2	1	0.09
Thyristor (SCR)	<= 600 V	PSE30	PSTHM-44/16	1SFA899210R1044	2	1	0.09
Thyristor (SCR)	<= 600 V	PSE37	PSTHM-44/16	1SFA899210R1044	2	1	0.09
Thyristor (SCR)	<= 600 V	PSE45	PSTHM-56/16	1SFA899210R1056	2	1	0.09
Thyristor (SCR)	<= 600 V	PSE60	PSTHM-95/16	1SFA899210R1095	2	1	0.09
Thyristor (SCR)	<= 600 V	PSE72	PSTHM-95/16	1SFA899210R1095	2	1	0.09
Thyristor (SCR)	<= 600 V	PSE85	PSTHM-132/16	1SFA899210R1132	2	1	0.13
Thyristor (SCR)	<= 600 V	PSE105	PSTHM-162/16	1SFA899210R1162	2	1	0.13
Thyristor (SCR)	<= 600 V	PSE142	PSTHM-162/16	1SFA899210R1162	2	1	0.13
Thyristor (SCR)	<= 600 V	PSE170	PSTHM-200/16	1SFA899210R1200	2	1	0.13
Thyristor (SCR)	<= 600 V	PSE210	PSTHM-312/16	1SFA899210R1312	2	1	0.75
Thyristor (SCR)	<= 600 V	PSE250	PSTHM-501/16	1SFA899210R1501	2	1	1.50
Thyristor (SCR)	<= 600 V	PSE300	PSTHM-501/16	1SFA899210R1501	2	1	1.50
Thyristor (SCR)	<= 600 V	PSE370	PSTHM-501/16	1SFA899210R1501	2	1	1.50



PSLE-185

6 - Terminal kit

Description	For softstarter type	Type	Order code	Pcs/unit	Pkg qty	kg
Terminal kit	PSE18...PSE105	LD146-30	1SFN074208R1000	2	2	0.20
Terminal kit	PSE142...PSE170	PSLE-185	1SFA899221R1002	2	2	0.20
Terminal kit	PSE210...PSE370	PSLE-300	1SFA899221R1003	2	2	0.20



PSPB-1

7 - Cleaning kit

Description	For softstarter type	Type	Order code	Pcs/unit	Pkg qty	kg
Sufficient for replacing 10 thyristor blocks [1]	PSE18 ... PSE370	PSPB-1	1SFA899012R1001	1	1	0.05

1) The kit contains: Heat conducting paste tube ELFA NO 80-860-27 and instructions.

Pcs/unit: The amount that is required for one softstarter
Pkg qty: The amount that is delivered per type code

Softstarters
How to identify and order spare parts

Scan the QR code to access the list or visit: https://to.abb/f3gjO1fMO

Identify

All spare parts have a factory item code, starting with 1SFB, printed directly on the component. Each factory item code corresponds to a 1SFA order code, which is the code used for purchasing.

The table containing all relevant factory item codes and their corresponding order codes is available through the provided link and QR code. Please note that spare parts can only be ordered using order codes, not factory item codes.

Order

Legend of the column titles	
Description	A short description of the spare part
For softstarter type	The softstarter type the spare part is intended for
Type	The type code of the part
Order code	The global catalog number
Pcs/unit	The amount that is required for one softstarter
Pkg qty	The amount that is delivered per type code
Kg	The total weight of the package
Price	Enter your local price
Main voltage	If this is specified, it means that the part can handle the specified voltage. Otherwise, it will be applicable for all softstarters for this particular model and size.

Example 1: The cooling fan with ID 1SFA899215R1040 and type code PSFA-40 is delivered as a single component. If all three should be replaced, please order 3 x 1SFA899215R1040

Example 2: The thyristors in a PSTX470 for 600 V need to be replaced. The pkg quantity is 2, and the pcs per softstarter required is 6. If all thyristors should be replaced, 3 x 1SFA899211R2880 should be ordered.



Extended warranty
For ABB Low Voltage products

Scan the QR code for more information or visit: https://to.abb/HT7OludG

Extended warranty
Warranty for ABB Low Voltage products, extending the standard factory warranty up to 3, 4 or 5 years has never been this simple.

Request extended warranty activation after the online registration in the "Extended warranty tool."

This web tool verifies that the device's application is within the recommended guidelines and grants the product registration.

The customer can request the extended warranty during the standard warranty period of already purchased products. For circuit breakers, you may also request this extension of warranty when ordering the product.

The warranty covers any possible issues related to the product quality.

The extended warranty can be ordered by the following steps:

1. Go to the Extended warranty tool
2. Enter the product serial number in the "extended warranty tool" within the standard warranty period

01 AF Contactors > 100 A



02 UMC 100.3



03 Softstarters



04 CP-C.1 Power supplies



05 LV Circuit breakers



Extended warranty timeline



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ABB

www.abb.com/service

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