

Product note

New Retrofitting kit

SACE Modul – Tmax / Tmax XT

With just very few modifications and limited costs, the Conversion Kits are the perfect solution for improving low voltage switchgear. The replacement Kits allow increased safety as well as guaranteeing service continuity, and avoid the need for costly spare parts thereby bringing down maintenance costs.

ABB SACE Division, a leader in low voltage protection circuit breaker design and production, has always paid special attention to customer satisfaction, supporting the client at all times during the life of the product (Life Cycle Management), from selection to after-sales service, thanks to its highly qualified internal structure.

In the field of low voltage circuit-breakers, the Service of ABB SACE Division – L.V. Circuit-breakers ensures operating continuity between the previous series of its apparatus and those currently in production, by making its replacement kits available to its customers, which have been specially studied to preserve the existing switchgear and reduce downtimes to a minimum. The kits allow the latest generation circuit breakers to be mounted in replacement of the circuit-breakers of old concept which are no longer able to satisfy plant requirements for protection of the electric lines and those for safety of people.

Advantages

The use of the replacement kit provides notable advantages:

- Reduced investments compared to those required for installing brand-new switchgear;
- Reduced installation times and the possibility of spreading plant downtime over time, therefore increasing the guarantee of service continuity;
- Reduction in maintenance and repair costs;
- Safeguarding of investments in existing structures;
- Total possibility of interconnection with existing distribution systems;
- Immediate, simple and safe replacement;
- No structural modifications;
- Adaptations for auxiliary circuits;
- Greater plant control with the new electronic protections.



Conversion Kit

The Kits allow the new apparatus to be adapted to the dimensional characteristics of the existing compartments, replacing all the obsolete models with latest generation products. All the replacement kits are supplied complete with assembly instructions and electric interconnection diagrams.

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Conversion Kit Modul– Tmax/ Tmax XT

It is now possible to replace the old series of Modul plug in circuit breakers, from SN100 to SH400, with the most recent series of circuit breakers Tmax T and Tmax XT using the newly designed retrofitting kit.

A special moving part is created starting from the fixed circuit breaker with front terminals and electronic trip unit (Ekip and PR22x for XT2-XT4 and T5 respectively) and a dedicated conversion kit.

A special adapting kit lets the moving part be inserted into the existing fixed part:

XT2S up to 125A with I1 up to 125A

XT4S and **XT4H** up to 250A with I1 up to 250A

T5N and **T5H** up to 400A with I1 up to 400A

The new circuit breaker Tmax T/XT can be equipped with a wide range of accessories. The power of the circuit breaker is from upper terminals (XT2 can be fed from upper or lower terminals up to 440V)

Furthermore, there is no need to manage any dismantling operation of the old circuit breaker fixed part: thanks to this unique solution the downtime is reduced and limited to the single load.



Modul			Type kit	New circuit breaker Tmax T/ Tmax XT				Delivery ≤ 5 pcs [ex-works days]
Circuit breaker	Poles	Version		Circuit breaker	CB pattern to order	kit code	Preassembly in ABB SACE	
Modul SN 100	3p	Plug-in	REPLACEMENT -->	XT2S 160 (with Ekip...)	F F	+ 1SDA069678R1	YES	20
Modul SN 125	3p	Plug-in	REPLACEMENT -->	XT2S 160 (with Ekip...)	F F	+ 1SDA069678R1	YES	20
Modul SN 100	4p	Plug-in	REPLACEMENT -->	XT2S 160 (with Ekip...)	F F	+ 1SDA069679R1	YES	20
Modul SN 125	4p	Plug-in	REPLACEMENT -->	XT2S 160 (with Ekip...)	F F	+ 1SDA069679R1	YES	20
Modul SN 160	3p	Plug-in	REPLACEMENT -->	XT4S 160A (with Ekip...)	F F	+ 1SDA069459R1	YES	20
Modul SN 160	4p	Plug-in	REPLACEMENT -->	XT4S 160A (with Ekip...)	F F	+ 1SDA069460R1	YES	20
Modul SN 250	3p	Plug-in	REPLACEMENT -->	XT4S 250A (with Ekip...)	F F	+ 1SDA069459R1	YES	20
Modul SN 250	4p	Plug-in	REPLACEMENT -->	XT4S 250A (with Ekip...)	F F	+ 1SDA069460R1	YES	20
Modul SN 400	3p	Plug-in	REPLACEMENT -->	T5N 400A (with PR22x)	F F	+ 1SDA069463R1	YES	20
Modul SN 400	4p	Plug-in	REPLACEMENT -->	T5N 400A (with PR22x)	F F	+ 1SDA069464R1	YES	20
Modul SH 100	3p	Plug-in	REPLACEMENT -->	XT4H 160A (with Ekip...)	F F	+ 1SDA069457R1	YES	20
Modul SH 100	4p	Plug-in	REPLACEMENT -->	XT4H 160A (with Ekip...)	F F	+ 1SDA069458R1	YES	20
Modul SH 125	3p	Plug-in	REPLACEMENT -->	XT4H 160A (with Ekip...)	F F	+ 1SDA069457R1	YES	20
Modul SH 125	4p	Plug-in	REPLACEMENT -->	XT4H 160A (with Ekip...)	F F	+ 1SDA069458R1	YES	20
Modul SH 160	3p	Plug-in	REPLACEMENT -->	XT4H 160A (with Ekip...)	F F	+ 1SDA069461R1	YES	20
Modul SH 160	4p	Plug-in	REPLACEMENT -->	XT4H 160A (with Ekip...)	F F	+ 1SDA069462R1	YES	20
Modul SH 250	3p	Plug-in	REPLACEMENT -->	XT4H 250A (with Ekip...)	F F	+ 1SDA069461R1	YES	20
Modul SH 250	4p	Plug-in	REPLACEMENT -->	XT4H 250A (with Ekip...)	F F	+ 1SDA069462R1	YES	20
Modul SH 400	3p	Plug-in	REPLACEMENT -->	T5H 400A (with PR22x)	F F	+ 1SDA069465R1	YES	20
Modul SH 400	4p	Plug-in	REPLACEMENT -->	T5H 400A (with PR22x)	F F	+ 1SDA069466R1	YES	20

F F= fixed version with Front terminals

For further information contact:

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