

SERVICE NOTE

Retrofit kits

Hard Bus Retrofill Isomax S8 and Tmax T8 UL



With just very few modifications and sustainable costs, Retrofitting kits are the perfect solution for improving low voltage switchgear.

The retrofill S8-T8 retrofitting kit allows a reliable upgrade of the Isomax S8 moulded case circuit-breakers.

Value propositions



Safety & Protection
High quality level confirmed by certified products. ABB brand is associated with buying robust design



Easy to install
Easy installation requires limited shut-down. Instructional sheet is provided with the product.



Continuous operation
PREDICT feature in ABB Ability™ EDCS for Predictive Maintenance Ekip power controller to improve energy efficiency

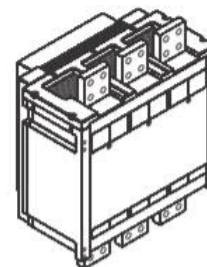


Sustainability
Retrofitting enable a circular economy by extending the lifespan of your electrical system minimizing CO₂ emissions and raw materials usage.

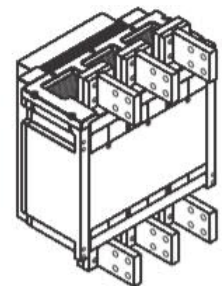
ABB Low Voltage Service offers a unique way to upgrade installed hardware and software to the next generation, by changing the worn or outdated parts while maintaining the original plant and equipment configuration. The solutions are tested in the ABB ELSP Lab, accredited by ACCREDIA and acknowledged by important international certification bodies such as ACAE / LOVAG, ANCE, ASTA, ETL SEMKO, UL, CSA and Naval Registers.

HBRF Isomax S8 to Tmax T8

The S8-T8 retrofitting kits includes an adapter kit to simplify replacement of legacy breakers using Tmax T8 UL listed Breakers. The 3-pole versions of S8 and T8 are very similar as to size, so the retrofit kit mainly comprises a panel door adapter.



Fixed Front terminals
(F - F)



Fixed Rear Vertical terminals
(F - VR)

Family	Frame	In	Version	Terminal	Poles	Standard	Type	New CB
Isomax	S8V	1600	F	F	3	UL	RF	T8V1600
		1600	F	VR	3	UL	RF	T8V1600
		2000	F	F	3	UL	RF	T8V2000
		2000	F	VR	3	UL	RF	T8V2000
		2500	F	F	3	UL	RF	T8V2500
	S8V-D	2500	F	VR	3	UL	RF	T8V2500
		2000	F	F	3	UL	RF	T8V-D2000
		2000	F	VR	3	UL	RF	T8V-D2000
		2500	F	F	3	UL	RF	T8V-D2500
		2500	F	VR	3	UL	RF	T8V-D2500

Clearances

The compartment dimensions of the old and what required for new circuit breakers could be different

Make sure that you check the compartment dimensions and insulation distances for installation in metallic cubicle of the new circuit-breaker before ordering

Insulation distances

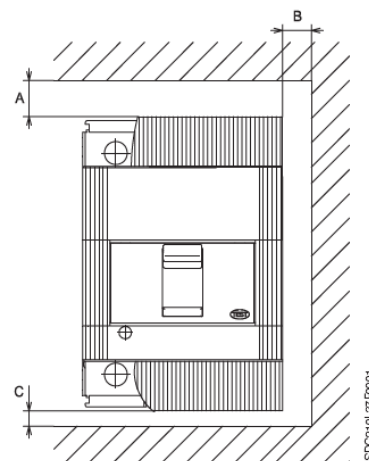
for installation in metallic cubicle

[mm/in]

A 200 - 7.87" for T8/S8

B 30 - 1.18" for T8 / 41- 1.62" for S8

C 120 - 4.72" for T8/S8



Below the list of T8 accessories available for the retrofitting kit S8-T8:

Electrical accessories

YO (Shunt opening release)

YO2 (second shunt opening release)

YC (shunt closing release)

YU (Undervoltage release)

SOR test unit

D (electronical delay for YU - into the switchboard)

M (motor for charging springs)

AUX Open/Closed auxiliary contacts

Trip reset

Mechanical accessories

Key Lock in open position

Padlock in open position

O/C pushbutton protection

IP 54

Modules

Measuring module PR330/V

Communication module PR330/D-M

For other info on Tmax T8 refer to 1SDC210028D0201