

DISTRIBUTION SOLUTIONS

UniSec LSC2A-PM units up to 1250A

Air-insulated medium voltage switchgear for secondary distribution



The range of UniSec air-insulated medium-voltage switchgear for secondary distribution has been enhanced increasing the performances to rated current 1250A with the introduction of the new GSec 1250A disconnecter.



Maximize your performance

All LSC2A 24kV units with rated current up to 1250A are designed and engineered with metallic compartmentation (PM), in according to IEC 62271-200.

They are tested with the same security and reliability criteria as UniSec well-proven platform



Benefits

New GSec disconnecter and circuit breakers VD4/R-Sec have the same dimensions, size and interfaces used in well-known traditional units.

Harmonious line-up design that makes the footprint space-saving and lightweight in comparison to the corresponding LSC2B ratings version.



Enhanced Portfolio

UniSec units upgraded customers' project at 1250A:

- SBC
- SBS
- SDC
- DRS
- DRC
- UMP

The compatibility and modularity with the complete catalogue of optional accessories are ensured.

Main Technical Characteristics

Rated Voltage	up to 24kV
Rated Current	up to 1250A
Rated short-time withstand current & IAC	up to 25kA x 2s
Internal Arc Protection	A-F; A-FL; A-FLR
Rated Frequency	50 Hz / 60 Hz

New 1250A current-rated units are designed to control and protect distribution grid and networks of next generation that require high performances and loads.

Panels with circuit breaker are equipped with VD4/R-Sec removable vacuum apparatus installed on a truck and connected to the busbars, rated up to 1250A. 3-position disconnecter GSec is positioned between the breaker and the main busbars, earthing switch on cables side provides safety during isolation operation.

The door is mechanically interlocked with the earthing disconnecter; the disconnecter in turn is interlocked with the circuit breaker to ensure personnel safety.

The disconnecter made by stainless steel tank has the same design, the equivalent content of gas SF6 and the familiar comands and operational interface of GSec Load Break Switch (LBS).

The same safety standards and operating experience are maintained without the need of specific training.

The new LSC2A SBC and SBS units (Fig. 1) with vacuum circuit breaker can be considered as effective alternatives to the LSC2B WBC and WBS units but with simplified operation and better space saving and lightweight.



Fig.1 SBC e SBS a 1250A

More product information:

abb.com/mediumvoltage

Your contact center:

abb.com/contactcenters

More service information:

abb.com/service

abb.Prodotti e Soluzioni Quadri UniSec

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