



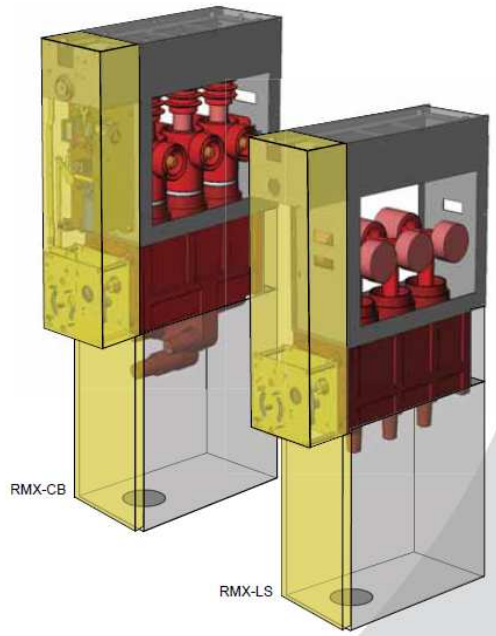
# 12 kV RMX Series

## Compact RMU System

LKE Medium Voltage Systems

The RMX is a compact RMU system developed by LKE in 2007. This product is a hybrid system combining traditional insulation by SF<sub>6</sub> and state-of-the-art solid-state insulation using epoxy resin and silicone rubber. The system incorporates the following features :

- Compact Dimensions, with single modules measuring 250mm wide and a 3 module system (2L+1T) being not wider than 750mm
- Encapsulated-pole circuit breaker module. The RMX incorporates a 25kA vacuum circuit breaker module with a rated current of 630A. Capable of more than 10,000 operations. Protection is realized via TFL (time-fused link) or self-powered relay. The circuit-breaker is encapsulated in solid-insulation material and fully shielded from external elements.



Performance Item	CB & LS
Rated Voltage	12 kV
Maximum Service Voltage	12 kV
Power frequency withstand voltage to earth & btw Poles	28 kV/60s
Rated current	630 Amps
Short-time current of load-break switch and circuit breaker	20 kA

- Extensible system. The RMX is fully extensible using a plug-in bus-bar system rated at 630A.
- Fully insulated. All live-parts within the RMX system, including its extensible bus-bar system, are fully insulated to the same extent as conventional non-extensible RMU systems and as such are fully shielded from the impact of the environment (humidity, corrosion and contamination).
- Low gas pressure. Minimal SF<sub>6</sub> required within the Load-break-switch chamber.

### ■ Compliance to industrial standards

The RMX-LS modules and RMX-CB modules have been type-tested to the following standards or their equivalent:

- IEC-694
- IEC-62271-100
- IEC-62271-102
- IEC-62271-103
- IEC-62271-200



OUTEC CONTROLS cc for LKE (Lauritz Knudsen Electric) medium voltage switchgear  
 Office: 012 548 0868 Mobile: 082 888 8719 Fax: 0866897768 E-Mail: [info@outec.co.za](mailto:info@outec.co.za) Webb: [www.outec.co.za](http://www.outec.co.za)