Medium Voltage Products

UniGear 500R

Value proposition
UniGear 500R
Another step completing UniGear platform

UniGear provides solutions which were previously made by ABB in a variety of product lines.
UniGear 500R
Available versions

**IEC version (17.5kV, 2000A, 31,5kA)**
- IAC AFLR
- Depth: 1320mm
- Exhaust gas relief from the top through main gas duct channel
- Directly connectable to UniGear ZS1

**ENA version (12kV, 2000A, 25kA)**
- IAC AF
- Depth: 1140mm
- Exhaust gas relief from the rear
- Directly connectable to UniGear ZS1
UniGear 500R
Safe and reliable

- Designed and tested according to IEC 62271-200 and ENATS 41-36
- Metallic partitions between adjacent compartments (PM)
- Loss of Service Continuity LSC-2A
- Easy and clear indications on the mimic diagram
- Visible earthing connection (IEC version)
- Mechanical interlocks between the circuit breaker and the busbar disconnector
- Cable testing device interlocked with three position busbar disconnector (ENA version)
- Internal arc classified IAC AFL 25kA according to ENA and 31,5kA according to IEC 62271-200 Annex A.
- Exhausted gas evacuation by means of gas duct channel (IEC version)
UniGear 500R
Easy to use and to maintain

- All operational and maintenance actions are carried out from the front of the panel
- Access to all compartments from the front of the panel
- Low maintenance switching device
- Removable circuit-breaker with the same accessories of the withdrawable one
- Simple replacement of main components
- Easy to be installed
UniGear 500R
Compact and space saving solution

- Reduced footprints (500mm wide, 1320mm deep panels)
- Back to wall installation
- Suitable for containerized substation

...compact design gives possibility to reduce switchgear room dimensions optimizing air-conditioning and lighting with consequently energy saving.
UniGear 500R
Optimal flexibility

- Designed to be used in combination with other versions of UniGear switchgear, such as ZS1, 550 and MCC

- No adaptor panel is required

...space optimization thanks to the possibility to couple withdrawable high rating incomer with UniGear 500R compact feeders (up to 2000A).