

MEDIUM VOLTAGE PRODUCTS

# **UniGear 500R**

Air-insulated switchgear for green application.



UniGear 500R is very space efficient solution, designed to reduce the width of the medium-voltage airinsulated switchgear.

Panel design is only 500 mm wide for feeder current up to 2000 A. Its compact design makes UniGear 500R ideal for container installation for primary distribution.

UniGear 500R

One of the main characteristics of the UniGear 500R switchgear is the isolation of the circuit-breaker from the main busbars by means of the three-position disconnector.

### Features

Standards: IEC, ENA
Design: LSC-2A, PM
Accessibility type: A
Internal arc class: FLR

- · Highly customized versions available
- Switchgear can be back to wall installed

#### Safety

- Fully type tested according to IEC 62271-200
- Fitted with safety interlocks
- Vacuum circuit-breaker in a removable arrangement

#### **Switching devices**

· Vmax vacuum circuit breaker with spring actuator

### Current and voltage measurement

- Current and voltage sensors
- Conventional current and voltage instrument transformers

### **Protection and control**

• Relion® protection and control relays

## Optionally available with

- · Optical arc fault protection
- Surge arresters
- Substation management unit COM600S
- Smart Asset Management solutions

Switchgear		12 kV	17.5 kV
Internal Arc Classification (IAC)		AFLR	AFLR
Rated voltage	[kV]	12	17.5
Maximum service voltage	[kV]	12	15.4
Insulation levels / power frequency / lightning impulse	[kV]	12 / 28 / 75	17.5 / 38 / 95
Rated frequency	[Hz]	50 / 60	50 / 60
Rated main busbar current (40°C)	[A]	4 000	4 000
Rated feeder current (40°C)	[A]	2 000	2 000
Rated short-time current	[kA x 3 s]	31.5	31.5
Arc proof withstand current (IEC 62271-200)	[kA x 1 s]	31.5	31.5
Height	[mm]	2 200 2 533*)	2 200 2 533*)
Width	[mm]	500 / 1 000	500 / 1 000
Depth	[mm]	1 320	1 320
Technical catalog		1VCP000285	1VCP000285

<sup>\*)</sup> With installed gas exhaust duct

#### UniGear 500R

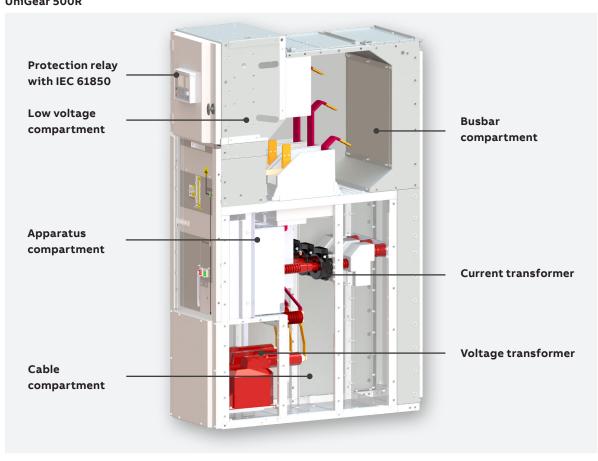


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