

MEDIUM VOLTAGE PRODUCTS

UniGear 550

Air-insulated switchgear for power application.



UniGear 550 is an air-insulated medium-voltage switchgear for primary distribution.

The innovative feature of this panel is its size. In fact, it only measures 550 mm in width which makes it a very compact and versatile product that is ideal for applications where space is restricted.

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UniGear 550

It is suitable for indoor installations and it offers a wide range of units and functions. Optimal safety is ensured by interlocks between all switching devices and compartments doors. All types of UniGear panels (UniGear ZS1, UniGear 550, UniGear 500R, UniGear MCC) can be connected together without any adapter panels or other special means.

Features

- Standards: IEC, GOST, GB/DL
- Design: LSC-2B, 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
- Circuit breaker racking with closed doors

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	12 kV	17.5 kV
Internal Arc Classification (IAC)		AFLR	AFLR	AFLR
Rated voltage	[kV]	12	12	17.5
Insulation levels / power frequency / lightning impulse	[kV]	12 / 28 / 75	12 / 38 / 75	17.5 / 38 / 95
Rated frequency	[Hz]	50 / 60	50 / 60	50 / 60
Rated main busbar current (40°C)	[A]	...4 000	...4 000	...4 000
Rated feeder current (40°C)	[A]	...1 250	...1 250	...1 250
Rated short-time current	[kA x 3 s]	...31.5	...31.5	...31.5
Arc proof withstand current (IEC 62271-200)	[kA x 1 s]	...31.5	...31.5	...31.5
Height	[mm]	2 200 ... 2 533 ^{*)}	2 200 ... 2 533 ^{*)}	2 200 ... 2 533 ^{*)}
Width	[mm]	550	550	550
Depth	[mm]	1 340	1 340	1 340
Technical catalog		1VCP000327	1VCP000327	1VCP000327

*) With installed gas exhaust duct

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