

UniGear ZS1 63 kA

Air-insulated switchgear for power application



UniGear ZS1 63 kA is an addition to the renowned UniGear medium-voltage switchgear family. The extremely high short-circuit current rating is up to 63 kA and it is available to a voltage of up to 17.5 kV. The switchgear has a withdrawable vacuum circuit breaker VD4 or VD4G to allow for easy maintenance. VD4G is the circuit breaker for generator applications.

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UniGear ZS1 63 kA is the ideal switchgear to distribute electric power in demanding applications requiring very high short-circuit current rating, such as in oil&gas, chemical and steel plants, and hydro power stations. The switchgear is manufactured worldwide and there are more than 400 000 panels currently installed. UniGear ZS1 is available as a single busbar, double busbar, back to back or double level solution.

Specification

- Rated voltage up to 17.5 kV
- Rated feeder current from 1 250 A up to 4 000 A
- Busbars up to 4 000 A
- 63 kA short-circuit current (1 s main circuit / 0.6 s earthing circuit)
- IAC classification: AFLR (63 kA / 0.5 s)
- LSC2B-PM
- Dimensions (WxHxD): 1 000 x 2 200 x 2 154 mm
- VD4 vacuum circuit breaker according to IEC 62271-100
- VD4G vacuum circuit breaker for generator applications tested according to the latest edition of generator circuit breaker standards including the IEC / IEEE 62271-37-013
- Available in UniGear Digital version with current and voltage sensors and IEC 61850 digital communication

Safety

- Fully type tested according to IEC 62271-200
- Fitted with safety interlocks
- Circuit breaker racking with closed doors

Why choose UniGear ZS1?



Well-established global product



Highest safety level for people and equipment



Ease of installation

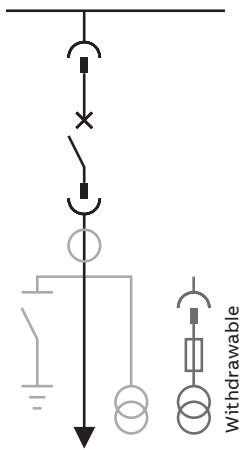


High customization and adaptation level

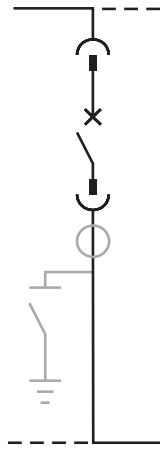


Variety of demanding applications

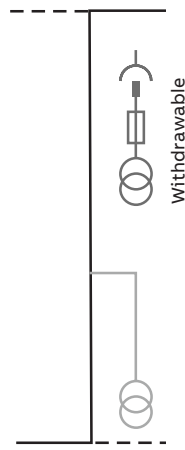
Single-line diagram of typical units



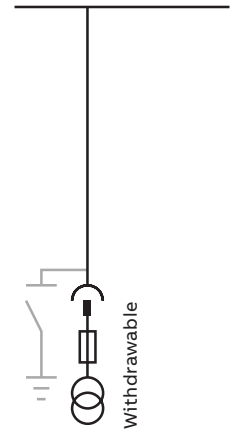
IF - Incoming/outgoing feeder



BT - Bus-tie



R - Riser



M - Measurements

Key to components

— Standard components

— Accessories

— Alternative solutions

UniGear ZS1 63 kA panel with VD4G vacuum circuit breaker for generator applications

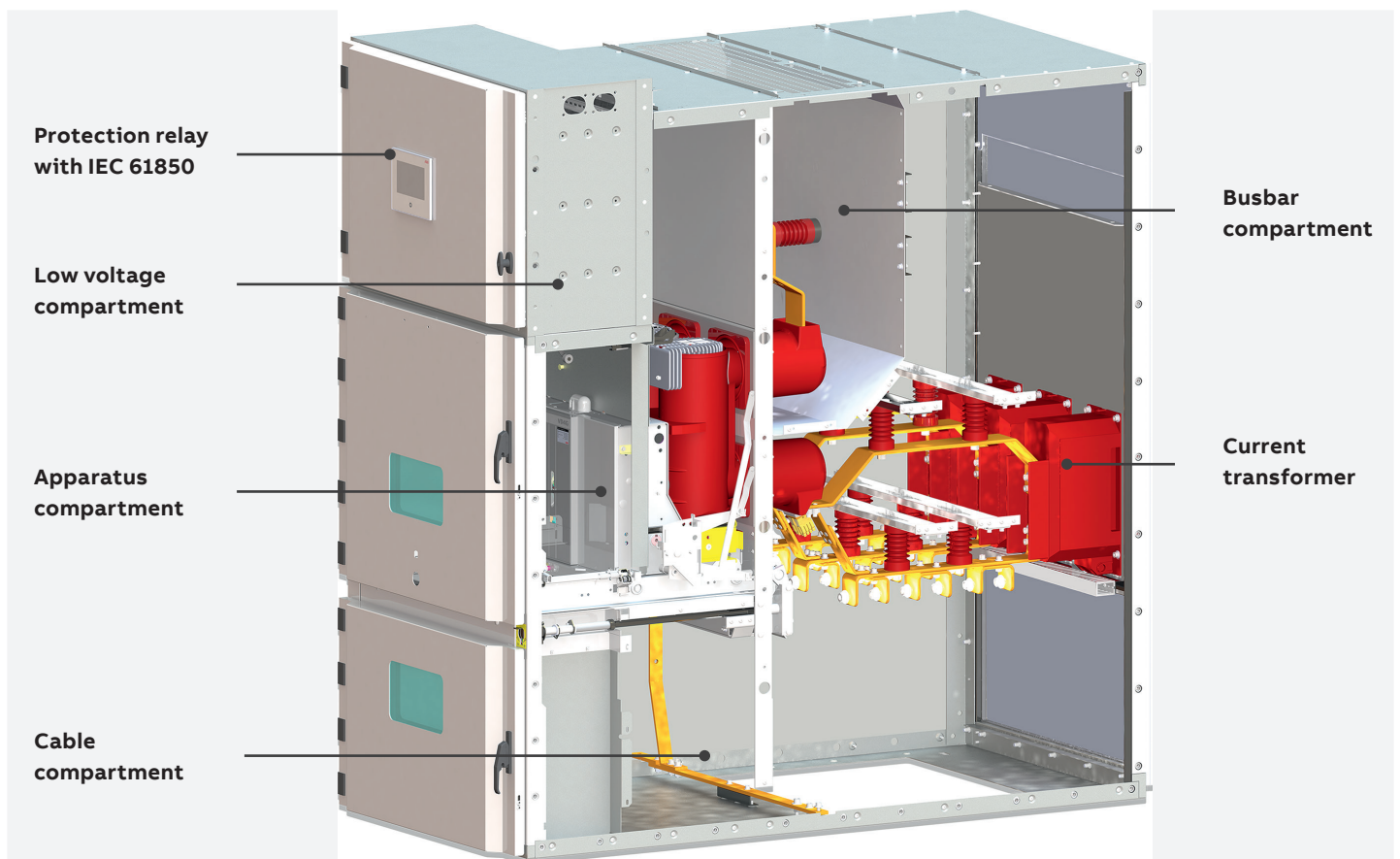


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