

# UniGear ZVC

## Medium Voltage, Arc-proof, Air-insulated, Fused Vacuum Contactor Switchgear up to 7.2KV

- ✓ **Savings on Switchroom construction cost, with smaller footprint.**
- ✓ **Reduced Installation time, with delivery of 3 panels assembled.**
- ✓ **Savings on cable installation cost, up to 25% reduction.**

**With reduced number of components, ease of operation, increased reliability for maintenance and already reduced space requirements for UniGear ZVC panel installation, the competitive cost will provide your Power System installations with significantly lower Total Cost of Ownership.**




### Comparison of performance

Evaluating UniGear ZVC Fused Vacuum Contactor technology to conventional Circuit Breaker technology for switching applications:

UniGear ZVC		Conventional CB
Fault current limited due to HRC fuses.	↔	Minimum fault current limiting capability.
Reduced let through energy allows reduced cable size.	↔	Cable needs to be sized to system short circuit level.
Up to 1,000,000 electrical operations provides extended service life.	↔	Up to 30,000 operations service life.
Small footprint totaling 0.365sq mtrs.	↔	Average footprint 1.05 sq mtrs.

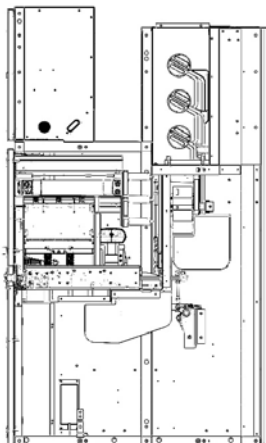
## Technical data

<b>Switchgear – Fused Contactor</b>		<b>VSC7/ZVC</b>	<b>V7/ZVC</b>
Type of construction		Metal clad with withdrawable Contactor	
Compartmented to IEC 62271-200		Partition class PM	
Loss of service continuity		Category LSC2A	
Internal arc classification		AFL (or AFLR with Gas Duct)	
Rated voltage		Up to 7.2 kV	
Insulation levels to IEC		7.2/20/60 kV (or 7.2/32/60 kV to GB)	
Rated main busbar current (40°C)		Up to 4000A	
Rated normal current		200A	400A
Rated HV HRC fuse		Single up to 315A	Parallel up to 2x315A
Rated short time current		Up to 50kA	
Arc fault withstand current		Up to 50kA	
Tested according to		IEC standards	
Overall dimensions		H [mm]	2200 / 2400 / 2595
		W [mm]	325
		D [mm]	1304
<b>Application</b>			
Motor feeder		Up to 2000kW @ 7.2kV	Up to 4000kW @ 7.2kV
Transformer feeder		Up to 2200kVA @ 7.2kV	Up to 4400kVA @ 7.2kV
Capacitor bank feeder			Up to 2000kVAR @ 7.2kV

### Design Features:

- 1304mm overall panel depth features (Front cable access)
- Simple direct connection to UniGear ZS1.
- Aluzinc construction.
- Structural design techniques and strength are retained.
- Improved access for rear cabling options.
- Safety benefits and operations behind closed doors.
- Integral interlocked fault make earth switch.
- Full range of type test to IEC standards.
- LSC2A, PM, AFLR Rating to IEC62271-200

### Basic panel:



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The data and illustrations are not binding. We reserve the right to make changes in the course of technical development of the product.  
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