

- MV ring main units
- HV metering units
- LV transformer cabinets
- Package substations
- LV distribution pillars
- LV substation fuseboards
- Multi service pillars
- Multi service distribution boards
- Heavy duty cutouts
- Domestic service cutouts
- Street lighting cutouts
- Pole mounting cutouts
- ABC service boxes
- Connector boxes
- Fuse links
- Weatherproof housings
- Earth fault indicators
- MV and HV disconnectors
- MV and HV connectors



Scimitar SFRMU Fused Ring Main Unit up to 15.5kV

with automation and remote control options

Scimitar Range of Fused Ring Main Unit Type SFRMU

The switches are contained within a common corrosion resistant stainless steel SF6 filled tank with the fuses mounted in air above the gas chamber. Each fuse is sealed against external influences and locked into its own chamber upon insertion.

All units can be extensible for direct connection to form multiple panel switchboards without the need to access the gas chambers or for extra cabling.

Safety

The SCIMITAR range has been built to meet stringent requirements and offers maximum operator safety

- Live parts are contained within an earthed enclosure
- All contained within a metal clad enclosure, having a degree of protection of IP33 or IP54 as an option
- Cable termination boxes are located at the side and rear of the unit, away from the operator
- Fully interlocked cable box covers provide an added safety feature

Features

- RATINGS UP TO 15.5KV
- COMMON SWITCHING CHAMBER WITH SEALED SF6 ENVIRONMENT
- LOW GAS OPERATING PRESSURE
- FULLY EXTENSIBLE
- INDOOR AND OUTDOOR
- FREESTANDING, TRANSFORMER MOUNTED OR TRANSFORMER CONNECTED

- Single line diagram and mechanical indicators are incorporated on the front of the switchgear
- Safety interlocks on all switch positions prevent incorrect operation
- Padlocking facilities for all positions
- Neon voltage indicators (live cable indication)
- Interlocked ring cable test facility in accordance with EA TS 41-26. Unauthorised access to the ring cable test terminals can be prevented by a padlockable cover
- Castell interlocking

Accessories

- REMOTE TRIPPING OF FUSE SWITCH
- REMOTE OPERATION OF RING SWITCHES
- AUXILIARY SWITCHES
- NEON LIVE LINE INDICATORS
- PHASE COMPARISON FACILITIES
- CASTELL INTERLOCKS
- INTERLOCKS FOR SAFE OPERATION
- EARTH FAULT INDICATORS



Scimitar SFRMUE Extensible

Operation

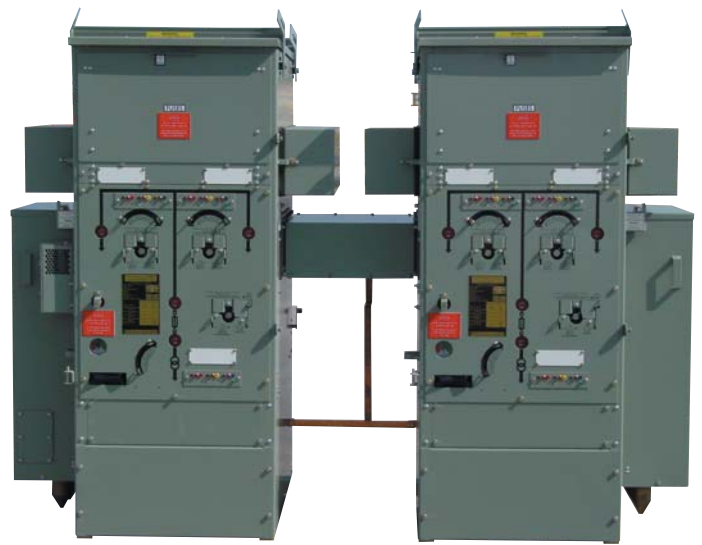
Mechanism: The operating mechanisms are of the independent manual spring charged type for both main and earth switches, ensuring that speed of operation is independent of operator.

Ring Switches: The fault make, load break ring switches are three position type 'ON', 'OFF', and 'CIRCUIT EARTH'.

Fuse Switch: The fault make, load break fuse is three position type 'ON', 'OFF' and 'TRANSFORMER EARTH ON'. The closing operation is controlled by an independent manually operated spring charged mechanism, which ensures the switch is operated at the correct speed. The 'ON' to 'OFF' sequence is achieved either by manual tripping at the mechanism or by the action of any of the fuse link striker pins as the result of a blown fuse.

Robustness

The main body of the SFRMU unit is fabricated in zinc coated steel, painted electrostatically and oven cured to resist corrosion attacks for durable outdoor and indoor use.



Scimitar SFRMU Extensible



Scimitar SFRMU Freestanding



Scimitar SFRMU TM Transformer Mounted

Transformer Protection

The fuse switch combinations are suitable for protecting transformers up to 1500kVA. DIN fuses 442mm in length and up to 160A rating can be fitted. DIN fuses 292mm in length can also be accommodated if required.

Scimitar SFRMU Electrical Performance

Product	SFRMU	SFS1E
	RMU	Fuse Switch Extensible
Rated Voltage	15.5kV	15.5kV
Ring Switch		
Rated Current	630A	
Making Capacity (Main/Earth)	62.5kA Pk	
Breaking Capacity (Main)	630A	
Short Time Withstand (Main/Earth)	25kA/1s	
Basic Impulse Level	95kV Pk	
Fuse Switch		
Rated Current	200A	200A
Making Current (Main/Earth)	62.5kA Pk	62.5kA Pk
Breaking Capacity (Main)	20kA	20kA
Short Time Withstand (Earth)	3.15kA/1s	3.15kA/1s
Basic Impulse Level	95kV Pk	95kV Pk
General		
Rated Frequency	50/60Hz	50/60Hz
Minimum Operating Temperature	-25°C to +55°C	
IP Rating	IP33 (IP54)	IP33 (IP54)
Weight	430kg	350kg
Filling Pressure	0.4 Bar G	
Minimum Gas Pressure	0.05 Bar G	
Standards	IEC 60420, 60265-1, 60694, 60298	
Dimensions		
Height	1660mm	1429mm
Width	1000mm	650mm
Depth	940mm	940mm

(Ratings in brackets are optional)

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