

# SI-2

## SOLID INSULATED SWITCHGEAR

**SI-2, solid insulated switchgear with load break switch or circuit breaker: compact, modular & safe**

### UNIVERSAL APPLICATION:

**Fully compatible with IEC standards**

### SAFETY FIRST

- Primary parts are IP68, compartment sealed hermetically (dry air)
- Clearly visible position of earthing switch
- Entire design earthed and touch-proof
- Single, auto-interlocked operation of fuse switch
- Single earthing switch with both contacts



### ROBUST

- FEA optimized design (no embedded shield required)
- PD less 5pC at 1.2 Ur
- High-performance epoxy design

### FUNCTIONAL

- Modular design, flexible combinations
- Easy servicing
- Remote control operation, or manual/automatic

### COMPACT

- 120 mm phase centers, 356 mm width for three-phase assembly



# SGC

SwitchGear Company

THE SPECIALIST IN MEDIUM VOLTAGE SWITCHGEAR

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# SI-2 | Technical specifications

	Unit	Ratings			
		Circuit Breaker	Load Break Switch	Fuse Switch	3-position Switch
Rated Voltage	kV rms	12/15	12/15	12/15	12/15
Rated frequency	Hz	50/60	50/60	50/60	50/60
Rated Power Frequency Withstand Voltage					
To-earth phases	kV rms	42	42	42	42
Over insulation distance	kV rms	48	48	48	48
Rated lighting impulse withstand voltage (peak)					
To-earth phases	kVp	95	95	95	95
Over insulation distance	kVp	110	110	110	110
Rated current	A rms	630	630	630	630
Short-circuit breaking capacity	kA rms	20			
Maximum number of operations at 100% I <sub>sc</sub>		50			
Rated making capacity	kAp	52	52	52	
Rated short-time withstand current and duration	kA rms	20	20		20
	S	4	4		4
Peak withstand current	kAp	52	52		52
Capacitive breaking capacity	A rms	25	10		
Rated breaking transfer current	A rms			3150	
PD on primary modular	pC	<5	<5	<5	<5
Rated operating sequence of circuit breaker		0-0.3s-C0-15s-C0			
No-load mechanical endurance		>10,000	>10,000	>10,000	>10,000
IP code		IP68			
Altitude	m	<5000			
Operating temperature	°C	-25 to +55			
Standards		IEC 62271-201, IEC 62271-100, IEC 62271-102, IEC 62271-1, IEC 62271-105			



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## Medium voltage switchgear, built to last.

SGC - SwitchGear Company has been supplying **reliable products for electrical distribution** for more than 35 years. Innovative ideas and environmental care are the driving forces behind SGC - SwitchGear Company.

The development of complete solutions consists of a minimum number of components, all of which have an **exceptional life span**. SGC - SwitchGear Company stands for **exceptional quality and superior customer care**. Your desired specifications and deadlines are our main concern. An exclusive factory and highly automated production lines are key factors in our "state of the art" components and systems. It enables us to develop the DF-2, DR-6/DT-6, DF-3, DI-2 and DW-2 to the highest quality standards. When it comes to delivery times, prices and products SGC - SwitchGear Company delivers.

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