



SIEMENS

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Medium-voltage, metal-enclosed switchgear

Type SIMOSEC, up to 15 kV, 63 kA (fused)/25 kA (unfused), 95 kV BIL
and up to 27.6 kV, 20 kA (fused or unfused), 125 kV BIL



- For application on systems up to 63 kA 15 kV and 20 kA 27.6 kV
- Load current switching rating 600 A, main bus continuous current rating 1,200 A
- Extremely compact footprint
- Meets ANSI/IEEE C37.20.3
- UL or C-UL Listing available
- Seismic rated up to IBC 2003
- Ideal for utility, construction and industrial applications
- Animated mimic diagram (mimic bus)
- High endurance – 1,000 mechanical operations
- High switching capacity – 100 operations at 600 A – two to three times higher than ANSI requirement
- Gas-insulated three-position switch disconnecter, hermetically sealed for life inside a stainless steel vessel
- No maintenance or adjustment required on the switch module over life of the switch
- Switch disconnecter combines the function of a load-interrupter switch (with closed-open indication) and a grounding switch (with open-ground indication), thus inherent design offers additional safety for the operators
- Integrated mechanical interlocking
- High-voltage current limiting fuses and cable terminations accessible only if the feeder grounding switch is in the grounded position
- Fuses and outgoing cables are front accessible, which means SIMOSEC can be placed against the wall and maximize the use of available space
- Convenient viewing window for verification of primary contact position (visible break)
- Capacitive voltage indicators to show if the cable side of the switch is energized
- Configurations: individual feeder switches, transformer primary switches and switch lineups
- Main bus at top or bottom to suit application
- Over 20 years experience and more than 350,000 switch-disconnector units installed

Answers for infrastructure.

Rated voltage	Rated frequency	Rated short-duration power-frequency withstand voltage	Rated lightning-impulse withstand voltage (BIL)	Rated short-time withstand current, two seconds	Fused short-circuit current rating (FS panel only)	Maximum fused continuous current (not equal to fuse E rating)			Main bus continuous current rating	Switch disconnecter	
						Single fuse FS-1	Double fuse FS-2	Triple fuse FS-3		Continuous	Interrupting
kV	Hz	kV	kV	kA	kA	A	A	A	A	A	A
5.0	50/60	19	60	25	63	325	575	600	1,200	600	600
8.25 and 15.0	50/60	36	95	25	63	165	305	430	1,200	600	600
27.6	50/60	60	125	20	20	65	117	156	1,200	600	600

Available options include:

- Motor operator
- Shunt trip
- Fuse intact/installed (FI) system
- Infrared view windows
- Cable discharge switch for fused switch panels (1.6 kA, one second)
- Outdoor NEMA 3R non-walk-in enclosure.

Dimension in inches (mm)	Cable switch (CS)	Fused switch (FS)	Metering (MT)	Cable connection (CC)
Width	14.8 (375) ¹ 19.7 (500) ² --- ⁵	14.8 (375) ¹ 19.7 (500) ² 29.5 (750) ³	--- ⁵ 19.7 (500) ⁴ 29.5 (750) ⁴	14.8 (375) ¹ 19.7 (500) ² --- ⁵
Depth	48.4 (1,230)	48.4 (1,230)	48.4 (1,230)	48.4 (1,230)
Height	88.6 - 100.4 (2,250 - 2,850) ⁶	88.6 - 100.4 (2,250 - 2,850) ⁶	88.6 - 100.4 (2,250 - 2,850) ⁶	88.6 - 100.4 (2,250 - 2,850) ⁶

Footnotes:

- ¹ Single cable (CS) or single fuse (FS)
- ² Two cables (CS) or double-barrel fuse (FS).
- ³ Three cables (CS) or triple-barrel fuse (FS).
- ⁴ Width depends on equipment arrangement.
- ⁵ Section not available at this dimension.
- ⁶ Depending upon arrangement.



The information provided in this document contains merely general descriptions or characteristics of performance which in case of actual use do not always apply as described or which may change as a result of further development of the products. An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of contract.

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