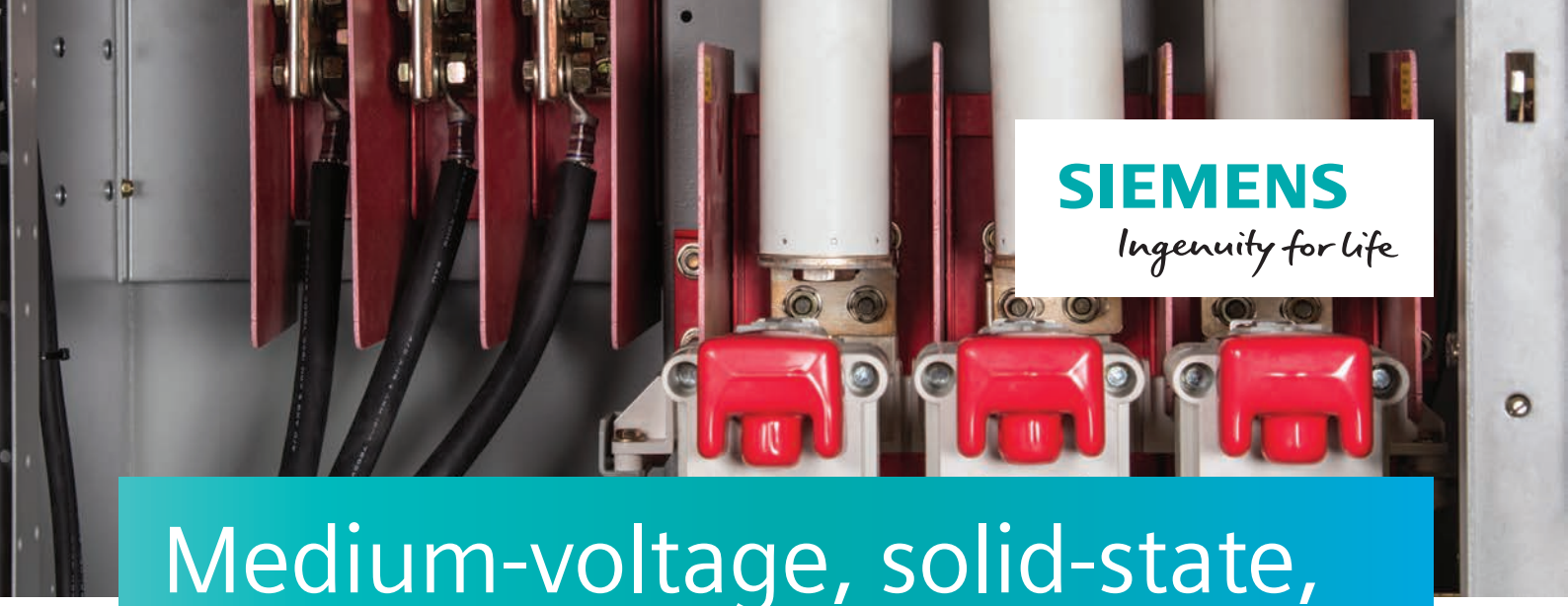


SIEMENS
Ingenuity for life

Medium-voltage, solid-state, reduced-voltage controllers

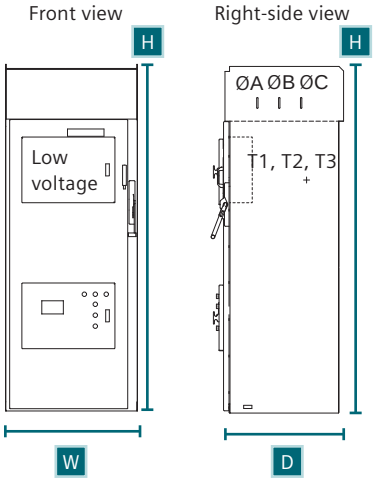
SIMOVAC-SSRVS™ non-arc-resistant and SIMOVAC-SSRVS-AR™ arc-resistant

Description
A leader in the design of medium-voltage controllers, Siemens offers its advanced medium-voltage controllers (arc-resistant or non-arc-resistant) with enhanced safety for your personnel. Siemens combined its knowledge as a leading manufacturer of motors worldwide and as a world-class supplier of medium-voltage controller innovation and technologies to deliver flexibility and reliability.

Features and benefits

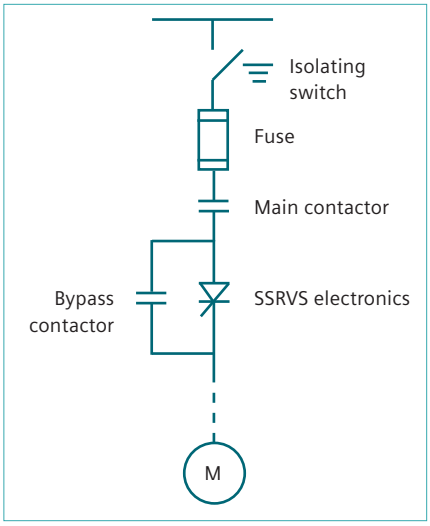
- 2.4 kV and 4.16 kV system voltage ratings
- Fixed-mounted 400 A vacuum contactor (optional 400 A plug-in for main contactor)
- 400 A non-load-break isolating switch
- Available non-arc-resistant and arc-resistant versions
- Arc-resistant design tested for internal arcing to IEEE C37.20.7-2007, up to 50 kA, 0.5 s, accessibility type 2B
- UL (or C-UL) available
- Isolating switch with visible indication through viewing window to verify that the power cell is isolated from line side – no need to open panel door
- Isolating switch mechanically interlocked with the access door to prevent user access to primary compartment when isolation switch is closed
- Low-voltage compartment isolated from the medium-voltage compartment
- All components front accessible, facilitating routine inspection or parts replacement
- Current-limiting fuses, contactor assembly and isolating switch assembly are easily removed from the enclosure
- Unique starting and stopping characteristics
- Advanced motor protection package
- User-friendly, easy setting and operation
- Low-voltage test mode – no special tools required
- Current limit
- Pump control characteristics – preventing over pressure during starting and water hammer during stopping
- Torque control – the optimum starting characteristics for complex drive system
- Dual adjust – two start/stop characteristics for varying loads and two-speed motors
- Pulse start (kick start) with adjustable level and time tacho/encoder feedback (option)
- RS 485 communication; Profibus communication.

Technical ratings				
System design voltage kV	Enclosed continuous current rating A	Interrupting capacity	Motor horsepower (HP) rating (three-phase)	Maximum motor fuse rating
		Fused class E2 kA	Induction motors	
2.4	Up to 400	63	1,750	24R
4.16	Up to 400	63	3,250	24R



Dimensions in inches (mm)[5]	
Type	Width (W)
Up to 400 A	36.0 (914)
Height (H)[1,6]	Depth (D)[2]
95.0 (2,413)	30 (762)
Weight in lbs (kg)[3,4]	
1,700 (771)	

Item	Description
A	Exhaust plenum connection (arc-resistant version)
B	Cable entry (top or bottom entry)
C	Pressure relief channel (arc-resistant version, not shown)
D	Main bus compartment
E	Viewing window for disconnect switch
F	Low-voltage panel
G	Disconnect switch operating handle
H	SSRVS electronics low-voltage panel



Footnotes:

1. Add 17.0" (432 mm) for height of SIMOVAC-SSRV-AR arc-resistant controller (total 112.0" (2,845 mm)).
2. Add 10.5" (257 mm) for depth of SIMOVAC SSRV-AR arc-resistant controller (total 40.5" (1,029 mm)).
3. Weights are for one SSRVS controller in a single section.
4. Add 455 lbs (205 kg) for arc-resistant controller.
5. Add 6.0" (152 mm) for width per section for outdoor (non-arc-resistant).
6. Add 850 lbs (386 kg) for weight per section for outdoor (non-arc-resistant).

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