



SIMOVAC-SSRVS™ NON-ARC-RESISTANT AND SIMOVAC-SSRVS-AR™ ARC-RESISTANT MEDIUM-VOLTAGE

Solid-state, reduced-voltage controllers

Up to 7.2 kV, 63, kA, 720 A

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Features and benefits:

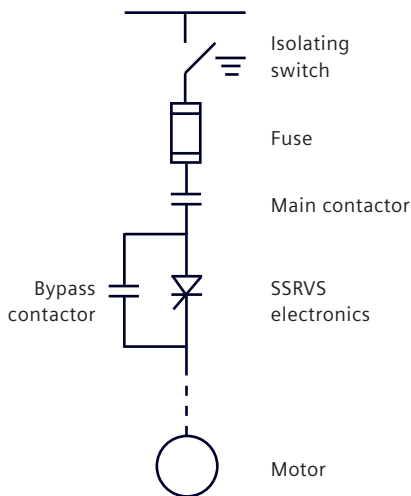
- 2.4 kV and 7.2 kV system voltage ratings
- Fixed-mounted 400 A and 720 A vacuum contactors (optional 400 A plug-in for main contactor)
- 400 A and 720 A non-load-break isolating switch
- Arc-resistant design tested for internal arcing to IEEE C37.20.7-2007, up to 63 kA, 0.5 s, accessibility type 2B
- UL 347 6th Edition (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

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- 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 and Profibus communication.
- Trained and certified local personnel in U.S. available for start-up, commissioning, and maintenance.

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.



Technical ratings

Characteristics	Unit	System voltage class		
System design voltage	kV	2.4	4.16	6.9
Enclosed continuous current ¹	A	400 / 720	400 / 720	400 / 720
Interrupting capacity kA	Fuse class E2 kA	Up to 63	Up to 63	Up to 63
Motor horsepower rating (three-phase) ⁵	Induction type motor	Up to 1,500 / 3,000	Up to 3,000 / 5,500	Up to 4,000 / 8,000
Maximum motor fuse rating		24R ² / 57X ³	24R ² / 57X ³	18R ⁴ /57X ³

Footnotes:

1. Refer to controller maximum current capability table for further detail.
2. With 24R fuse, interrupting capacity is 50 kA.
3. With 48X or 57X fuse, interrupting capacity is 50 kA.
4. Maximum fuse is 18R.
5. For horsepower greater than shown, please consult factory.

Dimensions in inches (mm)⁵

Type	Width (W)	Height (H) ^{1,6}	Depth (D) ²	Weight in lbs (kg)
400 A	36 (914)	95 (2,413)	30 (762)	1,833 (832)
720 A	84 (2,134)	95 (2,413)	30 (762)	3,453 (1,566)

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 SRRV-AR arc-resistant controller (total 40.5" (1,029 mm)).
3. Weights are for one SSRVS controller.
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).
7. For non-arc-resistant with 4,000 A main bus, add 7.25" (184 mm) to the overall height and 75 lbs (35 kg) to the total weight per section.
8. For horsepower greater than 2,500, please consult factory.

Legal Manufacturer

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