

# Direct purchase program

## SIMOVAC™ non-arc-resistant and SIMOVAC-AR™ arc-resistant medium-voltage controllers engineered to your specification

### Description

A leader in the design of medium-voltage controllers, Siemens offers its advanced arc-resistant medium-voltage controller 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. Become a direct purchase partner with Siemens and fulfill your medium-voltage control needs faster, easier and more economically.

### Features and benefits of direct purchase program

- Single-points of contact - the assigned application engineer and project engineer understand your company's needs better because they work on all of your company's projects
- Dedicated application engineering and project engineering resources
- After initial approval of standardized drawings, repeat order drawing release is certified resulting in shorter lead times than typical orders because the approval drawing cycle is eliminated
- Pre-negotiated commercial terms and conditions save time and money
- Established price list for specific configurations helps budgeting and reduces request-for-proposal cycle time
- Online portal access for downloading drawings at your convenience
- Clear chain-of-command for service needs
- Product training available as part of partner program.

SIMOVAC  
non-arc-resistant



SIMOVAC-AR arc-resistant



**Features and benefits for SIMOVAC non-arc-resistant and SIMOVAC-AR arc-resistant medium-voltage controllers**

- UL 347 6th Edition/CSA C22.2 No. 253-09
- 400 A bolt-in or stab-in (optional) vacuum contactor
- 400 A non-load-break isolating switch
- 2.4 kV, 4.16 kV and 6.9 kV (up to 7.65 kV) system voltage ratings
- In multiple section lineups, 1,200 A, 2,000 A or 3,000 A main bus with standard epoxy insulation on bus bars, and with optional boots for insulating joints
- Tin- or silver-plated bus available
- Front accessible
- Main bus and ground bus are supported and braced to 50 kA two-second short-time capability
- Top-mounted pressure relief channel shipped installed for reduced site installation time (arc-resistant option)
- Isolating switch with visible indication through viewing window to verify that the power cell is isolated from line-side source – no need to open panel door
- Isolating switch mechanically interlocked with the access door to prevent user access to primary compartment when isolating switch is closed
- Low-voltage compartment is isolated from the medium-voltage compartment
- All components are front accessible, facilitating routine inspection or parts replacement
- Current-limiting fuses, contactor assembly and isolating switch assembly are easily removed from the enclosure
- The main bus compartment is top, side and front accessible for easy installation and extension
- SIMOVAC-AR tested for arc-resistance to IEEE C37.20.7-2007, up to 50 kA, 0.5 s, accessibility type 2B (optional) (minimum two vertical sections per lineup).



Controller compartment

Published by Siemens Industry, Inc. 2020.

Siemens Industry  
7000 Siemens Road  
Wendell, North Carolina 27591

For more information, including service or parts, please contact our Customer Support Center. Phone: +1 (800) 347-6659

[www.usa.siemens.com/simovac](http://www.usa.siemens.com/simovac)

Order no. IC1000-F320-A214-V2-4A00

Printed in U.S.A.

© 2020 Siemens Industry, Inc.

The technical data presented in this document is based on an actual case or on as-designed parameters, and therefore should not be relied upon for any specific application and does not constitute a performance guarantee for any projects. Actual results are dependent on variable conditions. Accordingly, Siemens does not make representations, warranties, or assurances as to the accuracy, currency or completeness of the content contained herein. If requested, we will provide specific technical data or specifications with respect to any customer's particular applications. Our company is constantly involved in engineering and development. For that reason, we reserve the right to modify, at any time, the technology and product specifications contained herein.