

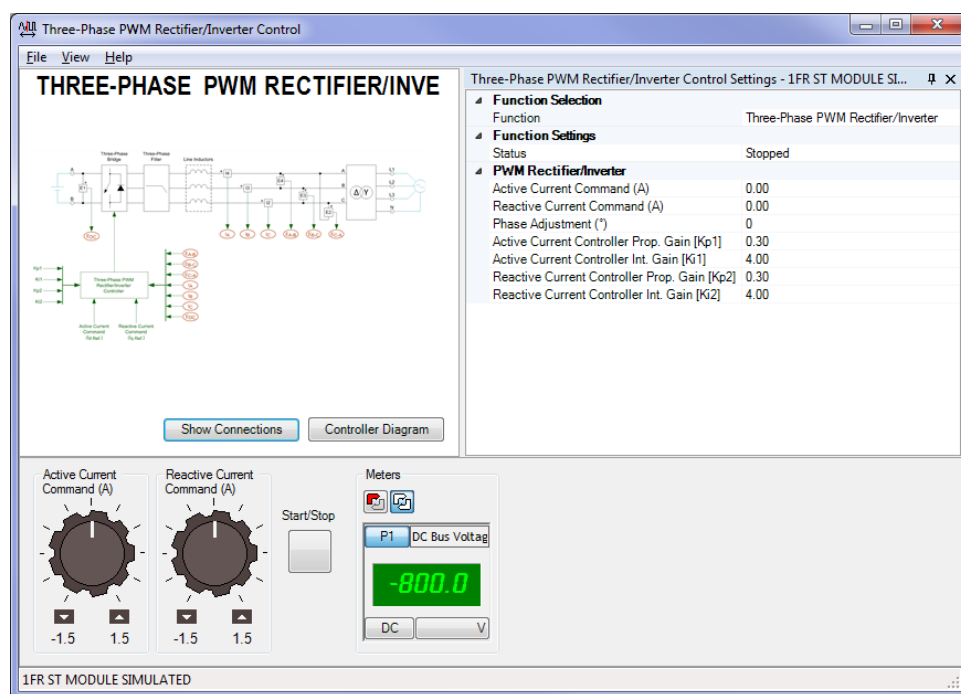
Three-Phase PWM Rectifier/Inverter Control Function Set

581456 (9069-50)

FESTO

LabVolt Series

Datasheet



* The product images shown in this document are for illustration purposes; actual products may vary. Please refer to the Specifications section of each product/item for all details. Festo Didactic reserves the right to change product images and specifications at any time without notice.

Festo Didactic
en
08/2025

Table of Contents

General Description	3
Specifications	3

General Description

The Three-Phase PWM Rectifier/Inverter Control Function Set enables the following three-phase PWM rectifiers/inverters to be implemented using the DACI and the IGBT Chopper/Inverter:

- Three-Phase PWM Rectifier/Inverter
- PWM Rectifier/Inverter with Buck/Boost Chopper

Specifications

Parameter	Value
Control Functions	
Control Functions	Three-Phase PWM Rectifier/Inverter
	PWM Rectifier/Inverter with Buck/Boost Chopper
Three-Phase PWM Rectifier/Inverter	
Active Current Command	-1.5 A to 1.5 A
Reactive Current Command	-1.5 A to 1.5 A
Phase Adjustment	-90° to 90°
PWM Rectifier/Inverter with Buck/Boost Chopper	
Reactive Current Command	-1.5 A to 1.5 A
Phase Adjustment	-90° to 90°
DC Bus Voltage Command	150-250 V
Buck/Boost Chopper Duty Cycle	10-40%

Reflecting the commitment of Festo Didactic to high quality standards in product, design, development, production, installation, and service, our manufacturing and distribution facility has received the ISO 9001 certification.

Festo Didactic reserves the right to make product improvements at any time and without notice and is not responsible for typographical errors. Festo Didactic recognizes all product names used herein as trademarks or registered trademarks of their respective holders. © Festo Didactic Inc. 2025. All rights reserved.

Festo Didactic SE

Rechbergstrasse 3
73770 Denkendorf
Germany

P. +49(0)711/3467-0
F. +49(0)711/347-54-88500

Festo Didactic Inc.

607 Industrial Way West
Eatontown, NJ 07724
United States

P. +1-732-938-2000
F. +1-732-774-8573

Festo Didactic Ltée/Ltd

675 rue du Carbone
Québec QC G2N 2K7
Canada

P. +1-418-849-1000
F. +1-418-849-1666

www.labvolt.com

www.festo-didactic.com