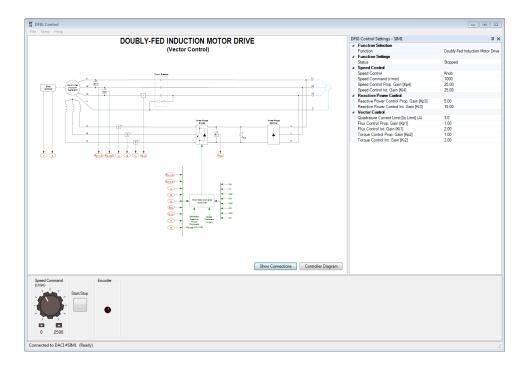
# **Doubly-Fed Induction Generator (DFIG) Control Function Set** 587056 (9069-D0)



**LabVolt Series** 

Datasheet



<sup>\*</sup> 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.

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## **General Description**

The Doubly-Fed Induction Generator (DFIG) Control Function Set enables the following devices required for the study of DFIGs to be implemented using the Data Acquisition and Control Interface, Model 9063, the IGBT Chopper/Inverter, Model 8837-B, and the Rectifier and Filtering Capacitors, Model 8842-A:

Doubly-Fed Induction Generator (DFIG) Control

## **Specifications**

Parameter	Value
Speed Control	
Speed Control	Knob, Al-1 (0 to 10 V)
Speed Command	0-2500 r/min
Speed Control Prop. Gain	0.01-100
Speed Control Int. Gain	0-200
Reactive Power Control	
Reactive Power Control Prop. Gain	0.01-100
Reactive Power Control Int. Gain	0-200
Vector Control	
Quadrature Current Limit	0-3 A
Flux Control Prop. Gain	0.01-100
Flux Control Int. Gain	0-200
Torque Control Prop. Gain	0.01-100
Torque Control Int. Gain	0-200

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