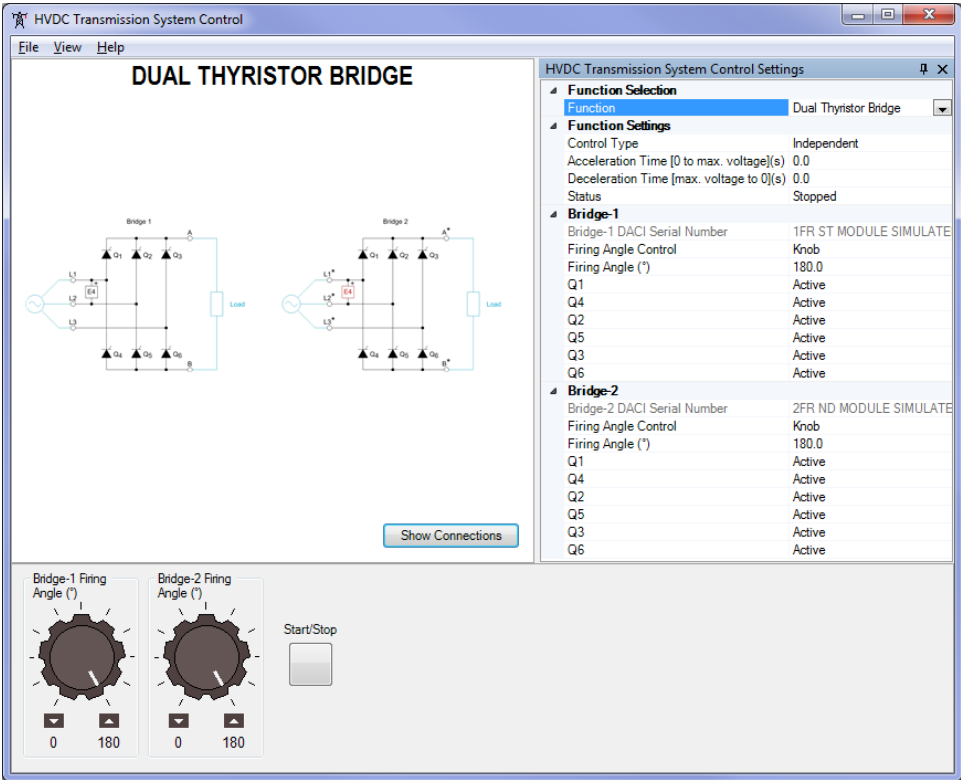


High-Voltage DC (HVDC) Transmission System Control Function Set 579790 (9069-70)

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.

Table of Contents

General Description	3
Specifications	3

General Description

The High-Voltage DC (HVDC) Transmission System Control Function Set enables the following devices required for the study of HVDCs to be implemented using two Data Acquisition and Control Interface, and two Power Thyristors:

- Dual Thyristor Bridge
- Monopolar HVDC Transmission System
- 12-Pulse Converter

Specifications

Parameter	Value
Control Functions	
Control Functions	Dual Thyristor Bridge
	Monopolar HVDC Transmission System
	12-Pulse Converter
Dual Thyristor Bridge	
Control Type	Independent, common (α, α), or common (α, β)
Acceleration Time (0 to Max. Voltage)	0-100 s
Deceleration Time (Max. Voltage to 0)	0-100 s
Firing Angle Control (for Each Bridge)	Knob or analog input on the DACI
Firing Angle (for Each Bridge)	0-180°
Monopolar HVDC Transmission System	
Control Type	Independent, linked (rectifier = bridge 1), or linked (rectifier = bridge 2)
Command Input (for Each Bridge)	Knob or analog input on the DACI
Current Command (for Each Bridge)	0-2 A
Inverter Limit (for Each Bridge)	90-180°
Arc-Cosine (for Each Bridge)	On or off
Feedback Filter Cutoff Frequency (for Each Bridge)	10-180 Hz
12-Pulse Converter	
Firing Angle	0-180°
Acceleration Time (0 to Max. Voltage)	0-100 s
Deceleration Time (Max. Voltage to 0)	0-100 s

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.

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