

Thyristor Firing Unit

587015 (9030-30)

FESTO

LabVolt Series

Datasheet



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General Description

The Thyristor Firing Unit is a plug-in control module designed for the control of power thyristors in power converter circuits. It generates four 0-5 V pulse signals in the single-phase control mode, and six in the 3-phase mode. These control or “firing” signals are brought out to a 9-pin socket and can be routed to the Power Thyristors, Model 8841, through the use of an included mating 9-pin socket. The firing angle is determined by a low-level dc signal applied at the angle control input. The dc source output on the front panel can be used to produce this control signal. Four conversion functions can be selected to change the direction, and the rate of change of the firing angle which can be easily monitored on a 7-segment display on the front panel. A synchronization signal from the ac network is applied at safety 4 mm sockets.

Specifications

Parameter	Value
Control Input	
Level	-10 to +10 V
Input Impedance	1 M Ω
DC Source	
Voltage Range	-10 to +10 V
Output Impedance	1 k Ω
Control Outputs	
Number of output signals	7
Level	0-5 V (TTL compatible)
Operating Frequency	50/60 Hz
Output Impedance	300 Ω
Physical Characteristics	
Dimensions (H x W x D)	143 x 63 x 240 mm (5.6 x 2.5 x 9.4 in)
Net Weight	0.6 kg (1.3 lb)

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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