Fully Protected Transformer
763419 (8341-20)

LabVolt Series

Datasheet

Festo Didactic
en 120 V - 60 Hz
03/2020

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General Description

The Fully Protected Transformer is fitted with three discrete windings. Any winding can be used as either a primary or a secondary, which increases the number of laboratory applications. Due to its numerous taps, the Fully Protected Transformer can be used with many different input and output voltages. For this reason, it can be used for impedance matching and other transformer experimentations. By using multiple Fully Protected Transformers, students can explore transformer phasing, distribution transformers, open- and closed-delta transformer configurations, delta-wye, wye-delta, wye-wye, and delta-delta connections. Other specialized transformer connections, such as Scott (three-phase to two-phase), three-phase to six-phase, and zig-zag connections are also possible. Furthermore, resettable fuses are used to protect the windings.

The Fully Protected Transformer is mounted in a half-size EMS module. The primaries and secondaries are terminated on the module faceplate to 4 mm color-coded safety sockets and are identified by schematic symbol, terminal number, voltage and current.

Specifications

Parameter	Value
Rating (Coil 1)	
Voltage	120 V ac
Current	0.5 A
Rating (Coil 2)	
Voltage	208 V ac
Current	0.3 A
Taps	50% and 86.6%
Rating (Coil 3)	
Voltage	120 V ac
Current	0.5 A
Tap	50%
Circuit-Protection Type	6 resettable fuses
Physical Characteristics	
Dimensions (H x W x D)	154 x 287 x 410 mm (6.1 x 11.3 x 16.1 in)
Net Weight	6.5 kg (14.3 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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