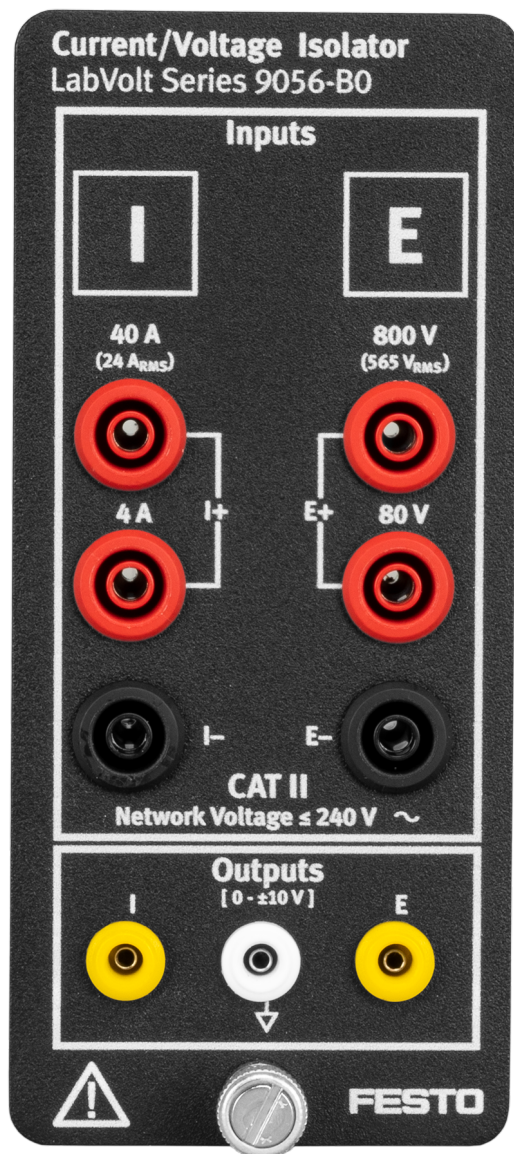


# Current/Voltage Isolator 587045 (9056-B0)

**FESTO**

LabVolt Series

Datasheet



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## General Description

The Current/Voltage Isolator is a power electronics device that converts a high-level current and a high-level voltage (ac or dc) into two low-level (0 to  $\pm 10$  V) output signals, electrically isolated from the high-level signal source. This allows observation of the signal waveforms in power circuits using a conventional oscilloscope. The output signals can also be used in control circuits as current or voltage feedback signals.

The isolated signal at the current output (I) is proportional to the input current. Similarly, the isolated signal at the voltage output (E) is proportional to the input voltage. Both isolators can be used simultaneously.

This plug-in module is designed to be inserted into the Enclosure / Power Supply, Model 8840. It is automatically powered when it is inserted into the enclosure.

## Specifications

Parameter	Value
<b>Current Isolator</b>	
Ranges	4/40 A
Maximum Continuous Current	4/24 A
Impedances	0.05/0.005 $\Omega$
<b>Voltage Isolator</b>	
Ranges	80/800 V
Impedances	400/4000 k $\Omega$
<b>Output (I and E)</b>	
Voltage	0 to $\pm 10$ V (isolated from input)
Short-circuit current	15 mA
<b>Frequency Range (-3 dB)</b>	0 to 25 kHz
<b>Measurement Category</b>	CAT II
<b>Accuracy</b>	
DC to 2 kHz	$\pm 1\%$ Full scale
<b>Physical Characteristics</b>	
Dimensions (H x W x D)	143 x 63 x 240 mm (5.6 x 2.5 x 9.4 in)
Net Weight	0.7 kg (1.5 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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