

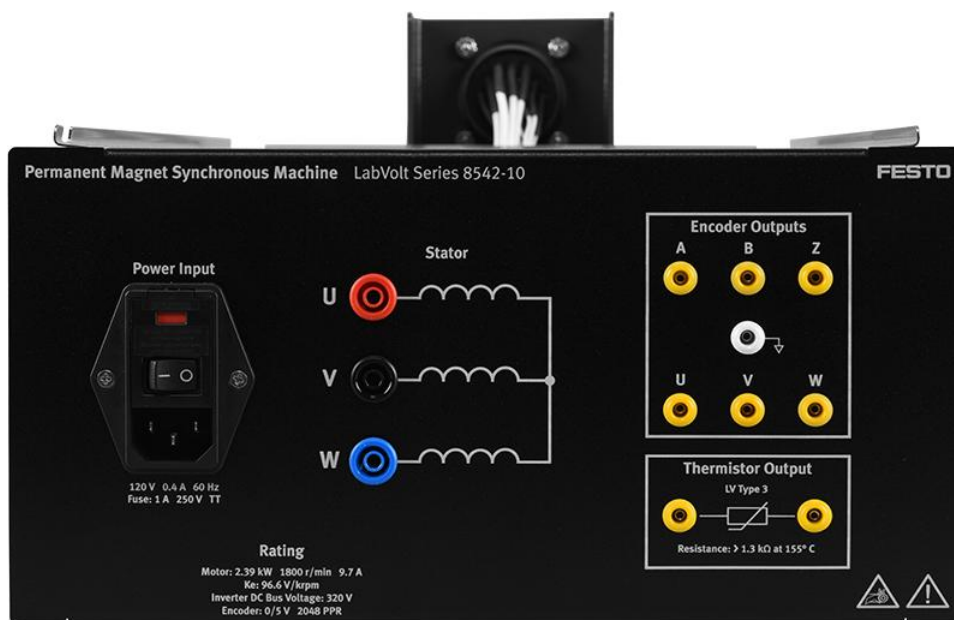
Wiring Module for the Permanent Magnet Synchronous Machine

8101936 (8542-10)

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.

Festo Didactic
en
12/2025

Table of Contents

General Description	3
Specifications	3

General Description

The Wiring Module for the Permanent Magnet Synchronous Machine, Model 8542-1, consists of a connection module. It provides connection access to the Permanent Magnet Synchronous Machine from the Mobile Workstation through a flexible connecting cable. The module has three 4 mm color-coded safety jacks for access to the machine windings, two 2 mm miniature jacks for access to the thermistor in the machine rotor, and four 2 mm miniature jacks for access to the Hall effect sensors in the machine rotor. The operation of the Hall effect sensors requires the wiring module to be powered using a low-voltage 24 V ac power source.

Specifications

Parameter	Value
Physical Characteristics	
Dimensions (H x W x D)	212 x 287 x 496 mm (8.3 x 11.3 x 19.5 in)

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.

Festo Didactic reserves the right to make product improvements at any time and without notice and is not responsible for typographical errors. Festo Didactic recognizes all product names used herein as trademarks or registered trademarks of their respective holders. © Festo Didactic Inc. 2025. All rights reserved.

Festo Didactic SE

Rechbergstrasse 3
73770 Denkendorf
Germany

P. +49(0)711/3467-0
F. +49(0)711/347-54-88500

Festo Didactic Inc.

607 Industrial Way West
Eatontown, NJ 07724
United States

P. +1-732-938-2000
F. +1-732-774-8573

Festo Didactic Ltée/Ltd

675 rue du Carbone
Québec QC G2N 2K7
Canada

P. +1-418-849-1000
F. +1-418-849-1666

www.labvolt.com

www.festo-didactic.com