

# ► Integrated Motion Control

## SV160E2 Integrated Servo Motor with Ethernet Interface

### Features

- Programs using host controller's software
- Built-in EtherNet/IP, Profinet, & Modbus-TCP
- Integrated, Dual-port Switch
- 0.5Nm continuous torque, 1.3Nm peak torque
- Absolute Multi-Turn Encoder Feedback
- Compact Design Saves Space

### Benefits

This cost-effective integrated solution provides a complete axis of motion control with guaranteed performance and compatibility across a range of applications.

The product is ODVA conformance tested, and interfaces with leading PLCs including those from Rockwell, Schneider, and Siemens.

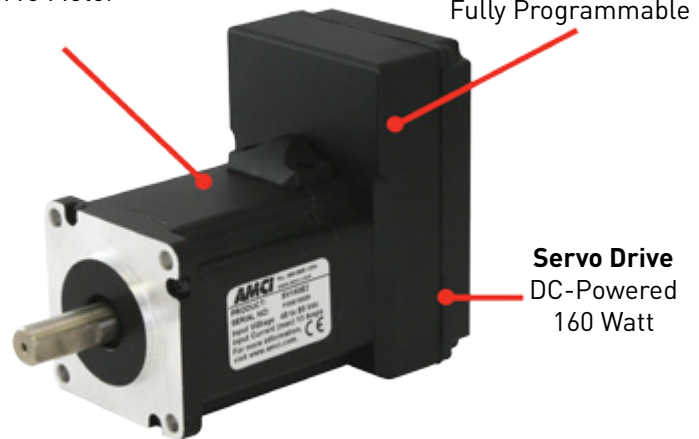
Visit [www.amci.com](http://www.amci.com) to learn about these benefits, and more.

\*Specifications on back

**Servo Motor**  
60mm Brushless DC  
Servo Motor

**Servo Controller**  
Fully Programmable

**Servo Drive**  
DC-Powered  
160 Watt



# ► Integrated Motion Control

## Features

AMCI's SV160E2 package offers the following features:

- Encoder: Absolute Multi-turn
- Connector: M12
- Auxiliary Power
- Safe Torque Off
- Embedded Switch
  - EtherNet/IP supports Device Level Ring (DLR)
  - Profinet supports Media Redundancy Protocol (MRP)

## Compact Size



Integrated motors provide a single compact unit for measurable space savings that can reduce the size of your machine's footprint.

## Specifications

### General:

Input Voltage: 48 to 80 Vdc

Motor Current:

6.0 amps Continuous

13.0 amps Peak

Torque:

0.5Nm continuous torque

1.3Nm peak torque

Encoder: Absolute

Protection: IP50

### Motion:

Motor Resolution:

16,384 motor counts per turn

### Communication:

Interface: 2 port Ethernet with Embedded switch



### Programmable Inputs:

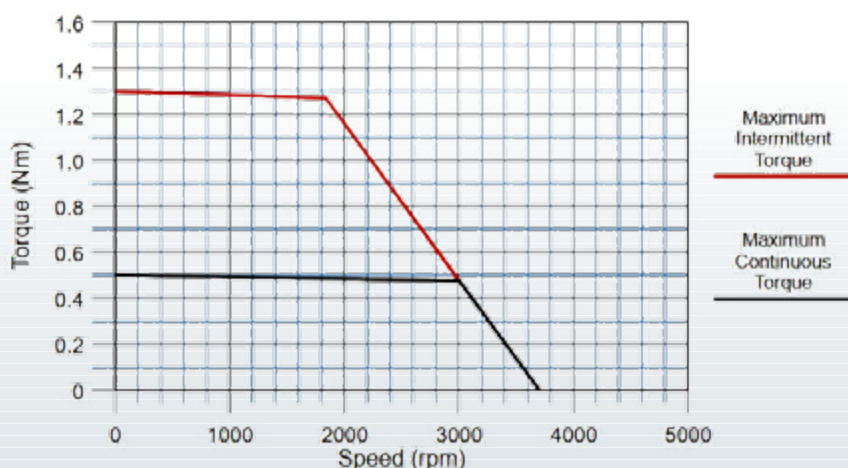
Inputs: 4 Opto isolated

Functions: home limit, over travel limit, capture input, manual jog stop, E-stop, registration, index move

Input Specifications:

- Optically isolated inputs
- Off state voltage: 0 to 1.5 Vdc
- On state voltage: 10.6 to 27 Vdc
- Input requires 10mA of current

## Torque Curves



## Accessories

AMCI's selection of approved cord sets and connectors simplify the ordering process and guarantee 100% compatibility.



## AMCI Corporate Headquarters

20 Gear Drive | Plymouth Industrial Park | Terryville, CT 06786  
Tel: 860-585-1254 | Fax: 860-584-1973 | Email: sales@amci.com