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 to learn about these benefits, and more.

*Specifications on back
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

- Maximum Intermitent Torque
- Maximum Continuous Torque

Accessories

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