

160 SSC™ Profibus Option

An optional Profibus communication module for the 160 SSC™, that provides a low cost solution for control and monitoring of the 160 SSC™ drive. The Profibus module attaches directly to the front of the drive in place of the Program Keypad Module or Ready/Fault Panel adding less than 25mm to the overall depth. Using the Profibus communication module, reduces the installation time, and provides feedback of the drive operating conditions.



Communication Flexibility with the 160-PD1

Product Highlights

- The 160-PD1 interface allows a 160 SSC™ series C drive, to be connected onto a Profibus-DP network. A variety of different network masters can be used, and is integrated within Profibus-DP utilising a GSD file.
- Profibus-DP 9-pin female D-shell connector for interconnecting onto Profibus-DP network.
- Protective Earth connection for the 160-PD1 interface.
- Compact design in the familiar 160 SSC™ communication interface format, allows quick installation directly to the front of 160 SSC™. This economises valuable panel space.
- Quick setup utilises rotary switches for Profibus node address 0-99, with communication speed set by the controlling master with autobaud capability from 9.6Kb to 12Mb.
- Visual indication via LED's for Ready, Fault and Communications OK.
- Using standard Profibus drive profile (PROFIDRIVE) for control of the drive will make it easy to integrate into existing Profibus-DP networks.
 - The ability to Start/Stop and control the speed in both directions.
 - The drive can also pass information using an explicit telegram. This slower method of communication can be used to get/set parameters for changing the dynamic performance of the drive, or just monitoring parameters.



Bringing Together Leading Brands in Industrial Automation

PLC / Scanner



Profibus-DP

Specifications

160-PD1

- Ambient Temp
 - Operating 0 to 50°C
 - Storage -40 to 85°C
- Altitude 1000m (3300ft)
- Power Consumption 1.25 Watts max
- Supply Voltage Supplied by drive
- Baud Rate Autobaud 9.6Kbaud to 12Mbaud
- Protocol PROFIDRIVE
- Relative Humidity 0 to 95% non condensing
- Vibration 1.0G Operational
2.5G Non-operational
30.0G Non-operational
- Shock 15.0G Operational
30.0G Non-operational

Dimensions

in millimeters (inches)

- Height 67.54 (2.68)
- Width 70.0 (2.76)
- Depth ² 45.36 (1.79)

² When installed on the 160 SSC™ drive, the communication module adds approximately 22mm to the overall depth.

Standards



UL508C



CSA 22.2



EMC Directive 89/336

LV: EN 50178, EN 60204

EMC: EN 61800-3, EN 50081-1, EN 50082-2

FCC Class A and B, IEC 146-1-1, VDE 0871 and VDE 0875

www.rockwellautomation.com

Corporate Headquarters

Rockwell Automation, 777 East Wisconsin Avenue, Suite 1400, Milwaukee, WI, 53202-5302 USA, Tel: (1) 414.212.5200, Fax: (1) 414.212.5201

Headquarters for Allen-Bradley Products, Rockwell Software Products and Global Manufacturing Solutions

Americas: Rockwell Automation, 1201 South Second Street, Milwaukee, WI 53204-2496 USA, Tel: (1) 414.382.2000, Fax: (1) 414.382.4444

Europe / Middle East / Africa: Rockwell Automation SA/NV, Vorstlaan/Boulevard du Souverain 36-BP 3A/B, 1170 Brussels, Belgium, Tel: (32) 2 663 0600, Fax: (32) 2 663 0640

Asia Pacific: Rockwell Automation, 27/F Citicorp Centre, 18 Whitfield Road, Causeway Bay, Hong Kong, Tel: (852) 2887 4788, Fax: (852) 2508 1846

Headquarters for Dodge and Reliance Electric Products

Americas: Rockwell Automation, 6040 Ponders Court, Greenville, SC 29615-4617 USA, Tel: (1) 864.297.4800, Fax: (1) 864.281.2433

Europe / Middle East / Africa: Rockwell Automation, Brühlstraße 22, D-74834 Elztal-Dallau, Germany, Tel: (49) 6261 9410, Fax: (49) 6261 17741

Asia Pacific: Rockwell Automation, 55 Newton Road, #11-01/02 Revenue House, Singapore 307987, Tel: (65) 351 6723, Fax: (65) 355 1733