

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.

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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
- 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

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