Eaton Power Xpert SPD

Power Xpert® SPD offers advanced monitoring display and communication capabilities to track and record surge events and protection status on your facility’s power system. The new Power Xpert SPD categorizes surge events on each phase as low, medium and high according to IEEE® standard C62.41.2. These surge events are stored in an event log with time and date stamps. It uses Eaton Power Xpert architecture for ethernet communications over Modbus® TCP/IP or BACnet TCP for remote monitoring capabilities. These features will be available in both integrated and sidemount SPD series as well as SPD Max series.

Features and benefits

- **Surge counter**—Captures surge events on each phase, which are categorized as low, medium and high according to the IEEE standard C62.41 and logs up to 5000 events
- **Time and date stamped surge log**—Logs transient surge events from your system, records and saves in an event log with time and date stamp viewable on a local display, webpage as well as downloadable .csv file to a spreadsheet
- **Alarm**—When an audible alarm is produced, an alarm message is viewable on the display as well as the web interface; an activated alarm can be silenced locally
- **LED indicators**—The tri-colored (green/red/yellow) LED protection status indicators are standard for each phase and for neutral-ground protection mode
- **Percentage protection status**—The percentage protection is calculated based on the number of MOV components remaining online and protecting the system per phase and neutral-ground (wye configuration)
- **Connectivity**—The RJ45 ethernet port provides communication between the Power Xpert SPD and the LAN connection, Modbus or BACnet TCP
- **Form C relay contact**—Provides remote SPD status; the NO and NC contacts change states when any phase detects a total loss of protection
- **Programmable settings**—Communication settings (Modbus, BACnet TCP), IP address, IP allocation settings, local time and date, device name and password, clear surge logs

Remote monitoring capabilities

- **Onboard webpage**—Eaton Power Xpert
- **PXG900 Gateway**—Plug and play capable and integration with Eaton Foreseer electrical power monitoring system (EPMS)
- **Modbus TCP/IP**
- **BACnet TCP**
cULus certified to the following standards

- UL 1449 4th Edition recognized component for the U.S. and Canada UL 1283 7th Edition
- Certified to Canadian Standards Association (CSA®):
  - CSA C22.2 No. 269.2-17 Surge protective devices—Type 2—permanently protected—Edition 2
  - CSA C22.2 No. 269.4-17 Surge protective devices—Type 4—component assemblies—Edition 2
  - CSA C22.2 No. 8-13 Electromagnetic interference (EMI) filters—Edition 5
  - CSA C22.2 No. 60950-1:07 + AMD 1 AMD 2 information technology equipment—safety. PT 1, general requirements—Edition 2
- UL 60950-1
- Tested to UL 2900-1 cybersecurity standard for industrial automation and programmable controllers
- Test to FCC Part 15 Subpart A
- IEC 255-21-1 and IEC 255-21-2
- IBC-2015
- IEEE 693-2018

Warranty

- 10-year warranty (15 years when registered on Eaton.com/PXSPD)

For more information, visit: Eaton.com/PXSPD