Data Line - Surge Protective Device
Compact, powerful protection for signal and data lines

The new ABB OVR data/signal range of UL 497B listed SPDs are designed to protect sensitive electronic equipment and reduce costly downtime against the damaging effects of surges caused by lightning, load switching, and more.

The full range of OVR data/signal surge protective devices provide repeatable data and signal protection. They complement the OVR power SPD products to offer a complete system protection solution (power & data) against surges.

Product Highlights
Compact, powerful protection for signal and data lines

Enhanced protection
MOVs deliver protection against voltage spikes and extend equipment life

UL Type 1 Listed
UL 1449 Type 1 listing eliminates need for occurrent protection from a fuse or breaker

Compact design
Small footprint saves space for additional components

Rugged Enclosure
Durable NEMA 4X rated enclosure suitable for indoor and outdoor use to protect unit from dirt and debris

Easy diagnostics
Green LED light provides easy indicator of surge protection operational status

Contractor-friendly
Installation is quick and easy, saving time and labor cost

Technical specifications
- OVRSL S485UL and OVR RS485QUL series
  - Nominal voltage(1) 15V
  - Bandwidth (-3 dB 50 Ω system) 45 MHz
  - Temperature range -40 to +80 °C
  - Surge Current Rating (8/20 µs) 20kA per pair

- OVR Q Compact Series
  - Nominal voltage (1) 30V
  - Temperature range -40 to +80 °C
  - Surge Current Rating (8/20 µs) 20kA per pair

- OVR SL Slim Series
  - Nominal voltage(1) 6 V/ 30 V/ 180 V
  - Bandwidth (-3 dB 50 Ω system) 45 MHz – (6V)
  - Temperature range -40 to +80 °C
  - Surge Current Rating (8/20 µs) 20kA per pair

Applications
- Telecom systems
- 4-20 mA loop with HART
- Profibus, Modbus, Fieldbus

Segments and channels
- Commercial
- Industrial

Industries
- Wastewater Treatment
- Food and beverage plants
- Pharmaceuticals plants
- Amusement park rides
- Wastewater Treatment
- City Water Wells
- Security Systems

Target market
- OEMs – Control panel builders
- Distributors

Certifications and standards
- UL 497B 4th Edition (UL File: QVGO:E240341)
- NEC® 2020 Article 645
- REACH
- RoHS

Availability
Order now via empower flow

Related documents
OVR RS485Q & SL RS485 series datasheet
OVR Q Compact Series datasheet
OVR SL Slim series datasheet
OVR SL series SPD installation instructions
OVR Q series SPD installation instructions
Surge Protective Devices UL US Catalog
BuyLog

Contacts
- ABB sales agent or representative
- ABB regional sales managers
- Kimberly Fairley, US Product Marketing Manager
- Frank Basciano, Global Product Manager