Leadership in circuit protection.

Eaton’s Bussmann business offers a comprehensive portfolio of AC and DC circuit protection solutions. Now as part of Eaton, our products and services continue to expand, providing a comprehensive portfolio of solutions for water and wastewater facilities, including:

- Surge protection
- Overcurrent protection
- Disconnect switches
- Wire management
- Power system analysis and design
- Arc flash hazard analysis
- PLCs, MCCs, VFDs and control panels
- FlashGard motor control centers
- Medium voltage motor controls


Problem Solver

Challenge
A customer in the Northeast suffered a severe loss of business due to an indirect lightning strike that entered their building through the ground and significantly compromised the data system and numerous machine tool control cabinets. As a result, they experienced 11 days of downtime and lost production in most of the facility.

Solution
At the time of the lightning strike, the electrical system was not protected with surge protective devices. Eaton’s Bussmann business was brought in to review the applications and recommend the appropriate solution to mitigate future problems. Bussmann incorporated power, AC/DC control voltage and data signal surge protective devices to protect the system and, as a result, the customer has a more reliable system. Since implementing the products, no transient surge-related events have occurred.

Want to learn more? Visit us at: www.cooperbussmann.com/water
Benefits of Bussmann circuit protection solutions

Comprehensive and reliable electrical protection for water/wastewater applications

We offer the industry’s most comprehensive and reliable electrical protection from surge-protective devices and fuses to power distribution blocks and fuse holders, for every stage of water and wastewater facilities, including:

- **Surge Protection**: Complete portfolio of Bussmann solutions to meet your needs is imperative to keep safe, consistent and cost-effective protection the electrical distribution system and the equipment

- **Inductive Load Switching**: With the introduction of more facilities is subject to transient voltages from lighting and variable frequency drives, control panels, programmable logic controllers, and motor control centers found throughout treatment, pumping/filtration and supply processes.

- **Water/wastewater product applications**: where the pieces connect

Water and wastewater facilities are continually met with new technologies shifting regulatory requirements, stricter standards and new environmental of water and wastewater facilities. We offer products are designed to meet the needs of the harsh environment of water and wastewater facilities. We offer everything from surge protective devices and fuses to power distribution blocks and fuse holders.

- **Portfolio spotlight**: solutions that exceed expectations

    - UL Type 1 SPDs with voltage and system specific module protection
    - Optimized design for safe use and easy installation
    - Data signal and Off-Rail power and control voltage SPDs provide complete surge protection
    - Modular design permits assembly of improved poles at points of use
    - Available IP00 finger-safe design enhances safety and improves ease of maintenance
    - Compact footprint for optimal space utilization in the panel

- **Fuse Holders and Blocks**

    - Full range of open and enclosed disconnect switches
    - Rear-entry, side-entry or front-entry disconnect
    - In 1/3 the size of fusible disconnects
    - Enclosed disconnect switches

- **Fuse Holders and Bases**

    - Available IP20 finger-safe disconnect
    - In 1/3 the size of fusible disconnects
    - Enclosed disconnect switches

- **AC/DC surge protective devices**

    - AC/DC safety switches
    - AC/DC surge protective devices

Legacy of Innovation

For 100 years, we have helped protect equipment and businesses from electrical hazards with innovative products and services. We are the experts in safe system design and application. And with our Paul P. Gubany Center, we offer the industry’s most comprehensive testing facility, which is available to test your products or systems to UL and North American agency standards.

Complete solutions

Bussmann products for water and wastewater facilities are designed to save space in the panel, which translates into significant and lasting, greater flexibility, and easier installation.

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