BENSHAW
Applied Motor Controls
AN AMCONEX GROUP COMPANY

www.benshaw.com



Arc Resistant Designs

At Benshaw, your safety is our top priority. That's why we offer a complete product line tested and certified to meet the IEEE.37.20.7 standards. Our offer includes 40kA 0.5s Type 2B and 50kA 0.5s Type 2B with a plenum exhaust system to protect your personnel, your equipment, your productivity, and your long-term investment.

The result is less downtime, faster recovery, and more reliable operations. With designs that also reduce maintenance exposure and support compliance with modern safety programs, Benshaw delivers peace of mind along with performance—so you can focus on running your operation with confidence. That's the Benshaw promise.

Key Features:

- Arc-resistant construction
- Pressure relief systems
- Compartmentalization
- Insulated bus systems
- Robust door latching and sealing
- Tested to industry standards
- Accessible while energized (Type 2B)

Benefits:

- Enhanced personnel safety
- Reduced equipment damage
- Improved uptime
- Lower maintenance risk
- Regulatory compliance
- Operational confidence

Scan to learn more

Upgrade to Safer Power: Why Arc-Resistant Equipment is Essential

Arc-Resistant vs. Non-Arc-Resistant Equipment Comparison

Criteria	Arc-Resistant Equipment	Non-Arc-Resistant Equipment
Personnel Safety	Designed to contain and redirect arc flash energy away from operators	No containment; arc energy can be released directly toward personnel
Fault Handling	Limits impact of internal arc faults to a controlled area	Faults can propagate, causing widespread damage
Pressure & Gas Management	Uses vents, plenums, or ducts to safely exhaust hot gases	No controlled venting; pressure can cause doors or panels to rupture
Standards Compliance	Tested and certified to standards like IEEE C37.20.7	May meet basic electrical standards but not arc-resistance certification
Accessibility During Operation	Safer access to certain compartments while energized (depending on type)	Typically requires full de-energization for safe access
Equipment Damage	Reduced damage due to containment and compartmentalization	Higher likelihood of extensive equipment destruction
Downtime	Faster recovery and reduced downtime after an incident	Longer outages due to severe damage and repairs
Maintenance Risk	Lower risk for personnel during inspection and maintenance	Higher exposure to arc flash hazards
Total Cost of Ownership	Lower long-term cost due to reduced incidents, downtime, and repairs	Potentially higher long-term cost form failures, downtime, and safety risks

