

Downtime Reduction

Downtime is a bottom-line killer. It idles your workforce and causes disruption to your integrated supply chain.

Cooper InVision™ Downtime Reduction System

Increase the electrical safety and efficiency of your maintenance personnel. Now, when a circuit opens, your maintenance staff can get production up and running again – fast! This system immediately notifies specific personnel by phone, fax or e-mail that power is out and...

- The circuit's exact location
- The correct replacement fuse to bring
- The appropriate level of Personal Protective Equipment (PPE)

The Cooper InVision Command Center enables you to:

- Quantify and manage downtime through Mean-Time-To-Repair (MTTR) statistics
- Analyze open circuit activity to discover underlying electrical problems that require remedial action

See Data Sheet 1068.



Command Center software does not include laptop.

Engineering Services

Our engineering services team can assist you in developing safer electrical systems and practices to increase your production efficiency and reduce downtime. We can:

- Analyze your electrical system
- Determine short-circuit current levels
- Perform an arc-flash hazard analysis and provide labeling
- Develop electrical safety programs and provide annual maintenance reviews
- Recommend proper coordination of your overcurrent protective devices

If you find your assembly short-circuit current rating (SCCR) needs improvement, contact the Cooper Bussmann® engineering team for a design review. Our SCCR service results are backed by a money-back guarantee.



Low-Peak® Upgrade

Cooper Bussmann® Low-Peak® fuses provide better protection and quicker restarts to plant processes.

- 300kA interrupting rating (200kA IR for LP-CC)
- Current-limiting for low let-through current to minimize arc-flash and arc-blast hazards
- Guaranteed to provide Type 2 “no damage” motor starter protection when properly sized

Our Low-Peak Upgrade program can also reduce your SKU count providing significant savings. Our specialists can analyze your current fuse inventory and provide a Low-Peak cross-reference that can reduce your fuse inventory, typically 20-30 percent. A complete upgrade and cost-savings report can be provided within 2 business days. For complete details, go to www.cooperbussmann.com/lowpeak

See Data Sheets 1066 (LPN-RK), 1061 & 1064 (LPS-RK), 1062 & 1063 (LPJ).



easyID™ Open Fuse Indication Family

- Reduce Downtime: Indication speeds troubleshooting by quickly identifying the problem circuit
- Wide Selection: easyID™ technology is available in many Cooper Bussmann product lines including Low-Peak® fuses, CUBEFuse®, fuse holders and high-speed fuses
- Choice of Indication: The easyID™ family of products offers a wide variety to meet the various needs for local or remote indication
- Best Fuse Indication: The CUBEFuse® and Low-Peak® fuses have the most reliable fuse indication on the market today

See Data Sheets 9000 (TCF/TCFH), 2144 (Class J MFH), 720023 (Square Body High Speed Fuse).



Drive Fuse for Protecting AC Drives & Electronic Motor Controllers

- Unique combination of a high-speed fuse and UL Class J fuse in one package designed specifically for protecting variable-speed drives and electronic motor controllers
- Meets NEC® branch circuit requirements
- Standard Class J fuse dimensions readily fit Class J fuse blocks, holders and disconnect switches – making it easy to retrofit or upgrade existing circuits

See Data Sheet 1048.



Workplace Safety

Cooper Bussmann has long held a leading role in advancing workplace safety. As an expert in NFPA 70E and how OSHA utilizes this standard, we can help you implement an effective electrical safety program. The Cooper Bussmann family of IP20 finger-safe products enhances workplace safety with enclosed power distribution blocks, global modular fuse holders, and overcurrent and surge protection devices.

Services

Training: As technology and Codes evolve, and new personnel join your operation, Cooper Bussmann® Training Services can provide the knowledge to maximize your productivity and protection. Whether on-site training seminars, e-training modules or technical publications, Cooper Bussmann Services can provide the right training when and where you need it – while you stay focused on your business.

Arc-Flash Studies: OSHA recognizes NFPA 70E to help mitigate the effects of arc-flash on worker safety. Cooper Bussmann is an expert in implementing this standard in your facility. We will work from a short-circuit and coordination analysis to determine critical data for your approach and flash protection boundaries, as required by NFPA 70E. From this, we will identify the hazard risk category and define the personal protective equipment (PPE) levels for safely performing work on electrical panels.

Technical Materials: Cooper Bussmann Services has developed advanced, value-added technical resources to meet the demanding needs of Code compliance, and electrical design and safety. From our award-winning Safety BASICS™ program to DVD library, it's easy to stay abreast of evolving technology and changing standards.

<http://www.cooperbussmannstore.com>



Compact Circuit Protector: 3x the Protection in 1/3 the Space

- 200kA short-circuit current rating (SCCR) with Class CC fuses provides high assembly SCCR and reduced personal protective equipment (PPE) requirements
- At 1/3 the space required by a molded case circuit breaker and 2/3 the space required by a traditional fusible switch, the CCP saves space in your panel
- UL98 disconnect rated for protection of branch circuits with Class CC fuses
- Open fuse indication can be provided both locally and remotely for fast troubleshooting and reduced downtime
- Finger-safe to IP20 under specific conditions
- Lockout/tagout capability promotes safe workplace practices

[For more information visit www.cooperbussmann.com/ccp](http://www.cooperbussmann.com/ccp)

See Data Sheet 1157.



Finger-Safe Series Power Distribution Block with High SCCR

- Enclosed, safer installation IP20 finger-safe under specific conditions
- High short-circuit current ratings, up to 200kA, these PDBs do not have to be the weak link in achieving high assembly SCCR
- Small footprint saves panel space
- Listed to UL1953, required for feeders in UL508A Industrial Control Panels
- Meets NEC® 376.56(B)(4) for wireway installations
- For 2D and 3D CAD visit us at our website

See Data Sheet 1049.



Quik-Spec™ Safety Switch

- Enhanced Finger-Safe Design: The IP20 finger-safe Cooper Bussmann® CUBEFuse® is the latest in fuse technology. Large lineside shield is standard on all models to virtually eliminate accidental contact with live parts
- Current-Limiting Fuses Reduce Arc-Flash Hazard: With Class J performance, you get the best arc-flash protection versus traditional models
- Flexibility of Application: The 600V heavy-duty safety switch is available up to 100A with NEMA 1, 3R, 12 and 4X enclosure styles
- 200kA SCCR: Makes it easier to comply with NEC® 0.9 and 110.10 requirements, and is listed to UL98 and UL50 standards
- Flange Operated Handle: Always in contact with the switch mechanism and has lock-out/tag-out provisions

See Data Sheet 1156.



For Data Sheet and additional product information, visit www.cooperbussmann.com/datasheets/ulcsa



Code Compliance

Regulations are ever changing. Count on Cooper Bussmann® products and services to help you stay in compliance and focused on the issues most critical to your bottom-line. Our software offering can assist with determining assembly short-circuit current rating (SCCR), and our panels can solve your selective coordination issues.

OSCAR™ 2.0 Compliance Software

This online service helps engineers and OEMs comply with new Code and standards requirements for marking machinery, assemblies and panels with their SCCR.

Our new 2.0 version includes:

- Improved functionality allows saving, editing and copying panels. Organization is easier, too, with the ability to create multiple project folders that can hold multiple panels.
- New user interface creates a one-line diagram of circuits with helpful mouseover boxes that recap components, their ratings, manufacturers and part numbers, along with circuit locations. Also circles lowest rated component limiting assembly SCCR.
- Combination rating feature looks for improved SCCR ratings of multiple parts in combination.
- Summary Excel® files can be exported to document assembly SCCR calculation, listing all component details and circuit descriptions. One-line diagrams are printable, too!



High SCCR UL-Listed Power Distribution Blocks

- High component SCCRs: Up to 200kA – helps increase assembly short-circuit current ratings for equipment installations where there is high available fault current
- Agency Listed to UL1953: Useable in UL508A panels for feeder and branch circuit applications
- 1-, 2- and 3-pole versions: With a variety of line/load termination configurations

See Data Sheet 1049.



Coordination Module™ Fused Panelboard

- Easy, all-in-one solution for meeting the new NEC® selective coordination requirements with 2:1 amp ratios between upstream and downstream Low-Peak® fuses
- Saves time and money while increasing safety
- Models available from 12 to 42, 30A circuits for 120/208V or 277/480V systems

See Data Sheet 1154.



Power Module™ Elevator Shunt-Trip Disconnect

- Easy to specify and install: Available as a switch (PS) for single elevator applications or as a panel (PMP) for multiple elevator applications
- Provides selective coordination: Utilizing Low-Peak® Class J fuses that can be easily coordinated using 2:1 lineside-to-loadside fuse ratios
- UL98 Listed (enclosed switch) and UL50 Listed (enclosure) unit
- Quik-Ship Program: Top five popular base models ship direct within three business days

See Data Sheets 1145 & 1146



Testing Services

Cooper Bussmann® Testing Services provide OEMs with confidential performance evaluations and certification compliance for electrical components and assemblies. The Cooper Bussmann Paul P. Gubany Center is ASTA and CSA accredited, and is an ANCE Designated facility. Tests can be conducted to many global agency standards. This comprehensive testing facility is capable of testing under a wide range of power conditions:

- Up to 300kA, 750Vac, three-phase
- Up to 100kA, 1000Vdc



Our Productivity Through Protection™ Promise

Every electrical system – whether distribution or supplementary, or elevator control panel – must be protected from overcurrent events to protect your people and equipment. The Cooper Bussmann® promise of *Productivity Through Protection™* provides a comprehensive portfolio of products, systems and services that focus on solving your most critical bottom-line issues:

- Downtime reduction
- Workplace safety
- Code compliance

These challenges require integrated solutions:

Products: For more than 90 years, we have designed and manufactured products that improve electrical safety and performance. We produce more than 50,000 North American and European-style circuit protection products and control panels for industrial and commercial facilities.

Systems: When a circuit opens, you can minimize the time to notify, locate and restore power to critical equipment with wireless circuit monitoring.

Services: We can analyze your electrical system for Code compliance, make recommendations to minimize arc-flash hazards, plus provide safety training and technical reference materials.

Whatever Cooper Bussmann product, system or service could benefit you, it was developed to help you succeed ...by maximizing your *Productivity Through Protection*.



Custom Products

Whether it's modifying an existing product or creating a new one, we effectively bring together the skills to design, prototype, test, manufacture and secure agency approvals. We can deliver a single component, sub-assembly or finished product that provides you a competitive edge by integrating:

- Fuses - with the right ratings and performance characteristics
- Fuse holders and blocks - with the requisite terminations, mounting options and safety features
- Wire connection products - that make wiring simpler, safer and faster
- Molded products - that give the unique shape your product needs
- Power distribution products - that help meet new agency and Code requirements



Cooper Bussmann: Leading Industry in Downtime Reduction, Workplace Safety & Code Compliance Solutions

Customer Satisfaction Team

Available to answer questions regarding Cooper Bussmann products & services Monday-Friday, 8:00 a.m. – 4:30 p.m. for all US time zones. Contact:

- Phone: 636-527-3877
- Toll-free fax: 800-544-2570
- E-mail: busscustsat@cooperindustries.com

Emergency and After-Hours Orders

Next flight out or will call shipment for time-critical needs. Customers pay only standard product price, rush freight charges, & modest emergency service fee. Place these orders through the Customer Satisfaction Team during regular business hours. For after-hours, contact:

- Phone: 314-995-1342

C3 – the Enhanced, Online Cooper Customer Center

Provides real time product availability, net pricing, order status & shipment tracking across six Cooper divisions: B-line, Bussmann, Crouse-Hinds, Lighting, Power Systems & Wiring Devices. Available at:

- www.cooperc3.com
- 877-995-5955 for log-in assistance

Application Engineering

Technical assistance is available to all customers. Staffed by degreed engineers, this application support is available Monday-Friday, 8:00 a.m. – 5:00 p.m. Central Time. Contact:

- Phone: 636-527-1270
- Fax: 636-527-1607
- E-mail: fusetech@cooperindustries.com
- Live Chat: www.cooperbussmann.com

Online Resources

Visit www.cooperbussmann.com for the following resources:

- Product search & cross-reference
- Product & technical materials
- Solutions centers for information on topical issues including arc-flash, selective coordination & short-circuit current rating
- Technical tools, like our arc-flash calculator
- Where to purchase Cooper Bussmann product

Services

Cooper Bussmann Services team provides engineering expertise in electrical system reviews, electrical safety training & component testing for Agency compliance. Contact:

- Phone: 636-207-3294
- E-mail: services@cooperindustries.com