



Power Quality, Efficiency & Reliability

Thomas & Betts. Your best connection for innovative solutions.

Thomas & Betts

In today's world, critical electrical equipment must be reliable and operational — 24 hours a day, seven days a week.

Thomas & Betts Solution Sets



***Power Quality,
Efficiency & Reliability***



***Corrosion & Harsh
Environment Protection***



Grounding & Bonding



Safety



***Continuous Operation
& Sustainability***



***Hazardous Location
Protection***



***Total Project Cost
Reduction***



***Liquid Ingress
Protection***



***Extreme Temperature
Protection***

Protect Your Most Critical Equipment

From a data center's clean environment to the harshest processing plant environment, maintaining a dependable, stable source of electrical power is essential. But as we all know, power disruptions occur across industries and for a variety of reasons.

Reliable Power Quality Starts with the Right Products

To ensure employee safety, prevent job interruptions and provide electrical continuity and reliability, choosing the right electrical products is essential. Thomas & Betts has a wide range of proven products to:

- ***Ensure personnel safety***
- ***Eliminate interruptions***
- ***Protect critical equipment***
- ***Meet IEEE, CSA and UL obligations***
- ***Provide electrical continuity and reliability***

From maintenance-free switchgear to current limiting fuses, meter sockets and compression lugs, Thomas & Betts products can help you increase safety, reduce failure rates, and extend the life cycle and effectiveness of your equipment.





Delivering value through system solutions based on engineering innovation

Our Value Commitment

Thomas & Betts is committed to helping you meet the challenges of power quality, efficiency and reliability with electrical solutions, services and systems that deliver value. These include:

T&B Engineered solutions — Our products are designed to perform dependably under conditions such as constant moisture, harsh chemicals, extreme temperatures, high-pressure washdown, ultraviolet exposure, hazardous areas, high-vibration equipment and continuous operation.

Tested reliability — Our products are rigorously tested for use in harsh environments, with proven results in thousands of installations.

Expert support — Thomas & Betts trained sales representatives and technical services experts are available at every stage of a project, from planning and site preparation through construction and MRO.

Training and certification — Thomas & Betts conducts training programs on specific products and systems and works closely with accredited electrical industry associations. Contact us for details.

Product availability — Our industry-leading distributor network assures you of reliable and on-time delivery. This global electrical product support system ensures that our solutions are available when and where you need them.

Product Platforms

For over a century, Thomas & Betts has provided customers with electrical system solutions to help protect their people and assets, while meeting applicable codes, lowering installed costs and providing overall value.

Wire and Cable Management — Thomas & Betts invented Ty-Rap® Cable Ties in 1958 and continues to lead the industry in innovative wire and cable management solutions. From cable tray systems and electrical boxes to metal framing and meter sockets, end-users depend on Thomas & Betts products to get the job done right and to help reduce costs and installation time.

Cable Protection Systems — Electrical systems exist in harsh and corrosive environments, extreme temperatures and hazardous locations. Thomas & Betts has engineered, tested and certified cable protection solutions for all types of wires, cables and cords, offering long life and safe, reliable, maintenance-free performance, regardless of environmental conditions.

Power Connection and Control — Advanced electronic and electrical systems require signals and controls to be extremely accurate, consistent and reliable. Our power connection and control system solutions make this expectation a reality for your low-, medium- and high-voltage electrical system needs.

Safety Technology — Thomas & Betts is a worldwide leader in hazardous location lighting, emergency lighting and supporting central battery systems. We use state-of-the-art technologies to design our electrical system solutions so they meet global safety and reliability standards.





**Thomas & Betts products
for power quality,
efficiency & reliability**

Blackburn®

- E-Z-Ground® Compression Connectors
- Mechanical Grounding Connectors
- Compression Lugs and Splices
- Exothermic Welding System
- Ground Rods
- Overhead Service Entrance Connectors

Boreal®

- Flexible Braided Connectors

Elastimold®

- Switchgear and Cable Accessories
- Reclosers

Emergi-Lite®

- EMEX Central Battery Systems

Fisher Pierce®

- Faulted Circuit Indicators

Hi-Tech®

- Current-Limiting Fuses

Homac®

- Substation Connectors
- Homac® Copper Flood-Seal®
Compression Splice Kits

Joslyn Hi-Voltage®

- Switches and Reclosers

Lumacell®

- ARGES Central Battery Systems

Microelectric®

- Meter Sockets
- Pole Line Hardware and Accessories

Ready-Lite®

- Central DC Battery Systems

Russellstoll®

- Computer System Plugs,
Connectors and Receptacles

***Thomas & Betts' wide
range of power quality
services is your answer to
installing, troubleshooting
and maintaining reliable
power quality systems.***



Power Quality, Efficiency & Reliability

Thomas & Betts provides Power Quality solutions to protect and maintain the functionality of your electrical systems.

elastimold

Switchgear and Cable Accessories



- Underground cable accessories rated for 5 to 35kV including elbows, joints and terminations
- Underground arresters
- Solid-dielectric no-maintenance switchgear for application in vault, riser pole and padmount installations from 5 to 35kV

Hi-Tech

Current-Limiting Fuses



- Current-limiting fuses for overhead and underground transformers
- Current-limiting fuses for capacitor banks

Blackburn

Compression Lugs

- For copper and aluminum conductors
- Featuring the Color-Keyed® compression system for high quality connections
- Compression tools using the Color-Keyed® die code system



MICROELECTRIC

Meter Sockets and Accessories



- Weatherproof under the NEMA Type 3R standard
- CSA-approved for copper or aluminum conductor
- Designed to accept conduit hubs up to 2-1/2 inches
- Available for overhead, underground or combined commercial services

Power Quality, Efficiency & Reliability



Faulted Circuit Indicators

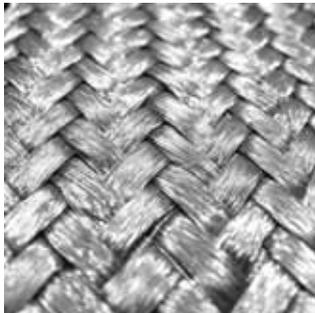


- Faulted circuit indicators
- Voltage and current sensors
- Overhead and underground units available



Flexible Braided Connectors

- Solve connectivity problems created by vibration from generators and transformers
- Reduce the potential for downtime and related expenses caused by loose electrical connections



Substation Connectors



- Designed to provide superior performance under extreme operating conditions



Switches and Reclosers

- Capacitor switches for distribution lines and substations
- Reclosers
- Air disconnect switches
- Interruptor accessories for air disconnect switches



Overhead Service Entrance Connectors

- H-Taps and covers for aluminum and copper conductors
- Insulated service entrance sleeves
- Triplex neutral splice
- Wedge clamps



Central Battery Systems

- Back-up power for emergency lighting systems
- Fully automatic charger, battery and specified transfer and distribution features
- Offer all of the advantages of a central location for maintenance with full supervision of all operating functions



Computer System Plugs, Connectors and Receptacles

- Pin and sleeve power connections for absolute performance in data applications
- Tough thermoplastic construction - UL 94-VO flame-rated material
- Sealed pins, sleeves and interiors are watertight even unmated





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Visit the Thomas & Betts world of electrical product solutions

Visit our web site for more information about Thomas & Betts solutions and our newest products. For a user-friendly catalogue and competitive part number search, application and technical support and other useful information, go to: www.tnb.ca

Industry codes and specifications

All Thomas & Betts products meet or exceed applicable industry specifications or codes detailed in the appropriate Thomas & Betts product literature.



Online CAD library

Thomas & Betts offers free download of two- and three-dimensional CAD models of many of its products in more than 90 native CAD formats at: www.tnb.com/cadlibrary



All information and specifications contained in this catalogue are subject to change due to engineer design, errors and omissions. Illustrations and diagrams within this catalogue may vary from actual products.

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Wire & Cable Management • Cable Protection Systems • Power Connection & Control • Safety Technology

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