

Introduction

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Two Volumes of Outstanding Products

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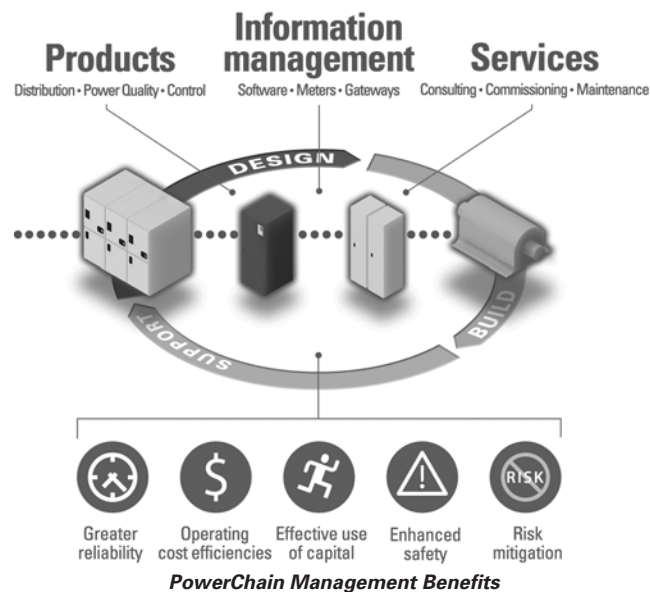
Welcome

Welcome to the latest edition of the *U.S. Products & Services Catalog*. In this expanded edition, you will find complete details on our extensive line of Distribution and Control Products and Services. Please be sure to browse the various sections to gain a sense of our overall capabilities, products and services. We created this catalog to make it easy for you to do business with us.

Eaton's Electrical Business

Eaton's electrical business is one of the world's leading suppliers of electrical control products and power distribution equipment with yearly sales of over \$4.5 billion.

PowerChain™ Management



Eaton's PowerChain Management helps enterprises achieve a competitive advantage through proactive management of the power system as a strategic, integrated asset throughout its life cycle. PowerChain Management looks at every power system as an asset that needs to be measured and managed as an integrated system throughout its life cycle. Our comprehensive portfolio of PowerChain Management solutions includes:

- Distribution
- Generation
- Control and power quality equipment
- Full-scale engineering services
- Information management systems

The products found in this catalog are an integral part of PowerChain Management solutions. For more information on how our products can provide greater reliability, operating cost efficiencies, enhanced safety, effective use of capital and risk mitigation, please visit our Web site or speak to your local Eaton sales representative.

One Source. Two Volumes. With Faster Access to the Most Authoritative Information Available on the Full Spectrum of Products and Services

A good catalog accomplishes two goals.

First, it presents a comprehensive snapshot of the manufacturer's product lines and standard configurations at the date of publication — incorporating the most current and correct information and specifications available at that time, superseding any other prior literature or documentation.

Secondly, a good catalog packages product information in a format that's intuitive, easy-to-use and practical for designers, specifiers, distributors, purchasers, operators and service personnel.

The *U.S. Products & Services Catalog 2007* is designed to do both — with more comprehensive, up-to-date, and "findable" product listings than ever before.

How to Use the *U.S. Products & Services Catalog 2007*

Two Volumes

We've simplified product information by dividing our catalog into two volumes: Distribution Products and Control Products. Volumes can be ordered separately.



Each volume has its own publication number for ordering. Order one or both volumes.

Crossover Product and Service Listings

Our Distribution Products Catalog contains those products that are typically ordered for applications involving electrical power distribution systems. Our Control Products Catalog focuses on products for many types of industrial control applications.

While our intent is to make it easy to locate products in either volume, we also recognize that there are some control products involved with electrical distribution systems and similarly, there are some distribution products needed for industrial control applications. To satisfy this "crossover," we have included in each volume a select number of related products. Of course, if you need additional product information, you can order the companion volume for access to all product and service listings.

For example: Tabs 11 and 12 in the Distribution Products Catalog have been repurposed to include only those products needed for many control applications and are included in the Control Products Catalog as Tab 45.

Miniature Circuit Breakers & Supplementary Protectors	11
Molded Case Circuit Breakers	12
Circuit Breakers, Supplementary Protectors & Fuse Blocks	45

Another example is "Motor Control Centers," where the product content is identical in both volumes. Tab 18 in the Distribution Products Catalog and Tab 43 in the Control Products Catalog can be used interchangeably.

Motor Control Centers	18
Motor Control Centers	43

Other sections that are identical across both volumes are:

Introduction	1	31
Catalog Parent Number Index	2	32
Medium Voltage Motor Control Assemblies	20	41
Metering Devices, Protective Relays & Communications	26	56
Engineering Services & Systems	27	57
Education Programs & Training	28	58
Alphabetical Product Index	29	59
Terms & Conditions	30	60

Typical Industry Categories

You don't need to know product trade names or buzz words to find the products you need. We've arranged our products and services using common industry designations — so you'll find transformers under "Transformers," pushbuttons under "Pushbuttons" and motor control centers under "Motor Control Centers."

Our intent was to make the contents page easy to use for both the novice, as well as the experienced design engineer.

Example 1: If you are looking for various types of "Breakers," you can check in four different Tabs.

Loadcenters & Circuit Breakers	3
Miniature Circuit Breakers & Supplementary Protectors	11
Molded Case Circuit Breakers	12
Power Breakers, Contactors & Fuses	13

Example 2: If you are looking for Switchgear, you will find two sections, "Low Voltage" and "Medium Voltage."

Low Voltage Switchgear	19
Medium Voltage Switchgear	22

Consistent Product Data

Each product section contains an extensive outline of product information presented as closely as possible to the order in the following list.

Note: Not every product contains copy for all ten of the aspects.

- Photo of product
- Product Description
- Application Description
- Features, Benefits and Functions
- Standards and Certifications
- Options and Accessories
- Product Specifications
- Technical Data and Specifications
 - Supporting Tables, Graphs and Charts
- Product Selection
- Cross-Reference

Alphabetical Index

Each volume contains a detailed alphabetical index for BOTH the Distribution Products and Control Products which allows you to search ALL products from EITHER volume.

Distribution Products Catalog	
Volume 1	Tabs 1 thru 30
Control Products Catalog	
Volume 2	Tabs 31 thru 60

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ac Contactors — see Contactors	
ac Induction Motors	40-107 – 40-110
ac Lighting Contactors	
Electrically Held – CN35	37-2 – 37-7
Magnetically Latched – A202	37-11 – 37-13
Mechanically Held – C30	37-8 – 37-10

With a quick check of the Alphabetical Index it's easy to locate "ac Lighting Contactors" in Tab 37, Volume 2, Control Products Catalog.

Advanced Residential Products	4-1 – 4-46
Advanced Power System	4-2 – 4-15
Branch Circuit Power Sensors	4-2
CHSP	4-2
Energy Savings	4-2
FIRE-GUARD™	4-2
Power Centers	4-3
Power Circuit Interrupters	4-2, 4-7
Power Manager	4-2, 4-3
Smart Switch	4-2
Arc Fault Circuit Interrupter	4-15 – 4-17
Portable Generators	4-31
Standby Generators	4-32
Structured Wiring Solutions	4-32 – 4-46
Surge Protection	4-18, 4-19
Transfer Switch Panels	4-27 – 4-30

If you're looking for "Advanced Residential Products," go to Tab 4, Volume 1, Distribution Products Catalog, for an extensive line to suit your needs.

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Parent Catalog Number Index

For those looking for product information based on a Catalog Number, this index will help speed-up that process. While there are over 100,000 unique catalog numbers, many are extensions or variables of a "Parent" Catalog Number. About 5,000 Parent Numbers generate over 100,000 individual Product Catalog Numbers by simply adding additional letters or numbers to the Parent Catalog Number. In the Parent Catalog Number Index you can quickly locate the Parent Catalog Number, along with the associated tab number and page, where you can find specific product information.

By turning to Page 29 of Tab 4 or Page 6 of Tab 16, product information can be located for all catalog numbers with the "Parent" Catalog Number "CH81."

Parent Catalog Number	Tab & Page Number
CH81	4-29, 4-30, 16-6, 16-7
CH9	3-18
CIC	26-90

List Pricing

As an aid to specifiers and purchasers, we've included List Prices (Price U.S. \$) for certain products with a Catalog Number. Please check with your local distributor or Eaton salesperson for specific price questions or to obtain a quotation.

You'll Find Descriptive Information and Points-of-Contact for Eaton Field and Online Services

More than just a comprehensive array of advanced products and engineered solutions, we "empower" our customers with ongoing support capabilities that help them capture superior value, reliability and performance from their power distribution and control equipment investment.

Engineering Services & Systems

From Project Assessment, Application Engineering and Systems Integration to Installation, Start-Up, Testing, Power System Studies and Ongoing Field Services, our Engineering Services and Systems organization delivers OEM-class capabilities direct to your site.

Engineering Services & Systems

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Education Programs

Our extensive curriculum of engineering, operating and maintenance courses combine expert instruction with both classroom and hands-on learning environments — at our site or yours.

Education Programs & Training

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Eaton's Electrical Business on the Web

Our *U.S. Products & Services Catalog 2007* is designed to be your everyday, on-the-shelf, at-a-glance reference for our wide range of products and services. However, our Web site, www.eaton.com, provides the most accurate and updated product information. Make sure to check often to keep updated on our latest product offerings.

Delivering the Promise of Power... Through the Power of Information

There's no doubt about it: Accurate product information makes for better decisions, better systems, and satisfied customers.

That's why we've built the *U.S. Products & Services Catalog 2007* the way we have. These two volumes are your point-of-entry, your touchstone and your guide to the most innovative products and support services in the business. Additional copies of the catalog are available for purchase from our literature fulfillment center. They can be reached at: 1-800-957-7050.

Product Support

We are committed to serving our customers by supporting current product lines, as well as introducing state-of-the-art improvements. However, we will continue to support our existing product base. Aftermarket parts and upgrade services will be available for your existing Cutler-Hammer, Powerware and Westinghouse installations.

Please ask for our *Electrical Aftermarket Products and Services Catalog* to order Aftermarket or Vintage products.

**Eaton Corporation**

Eaton Corporation is a diversified industrial manufacturer with 2006 sales of \$12.4 billion. Eaton is a global leader in electrical systems and components for power quality, distribution and control; fluid power systems and services for industrial, mobile and aircraft equipment; intelligent truck drivetrain systems for safety and fuel economy; and automotive engine air management systems, powertrain solutions and specialty controls for performance, fuel economy and safety. Eaton has 60,000 employees and sells products to customers in more than 125 countries. For more information, visit www.eaton.com.