

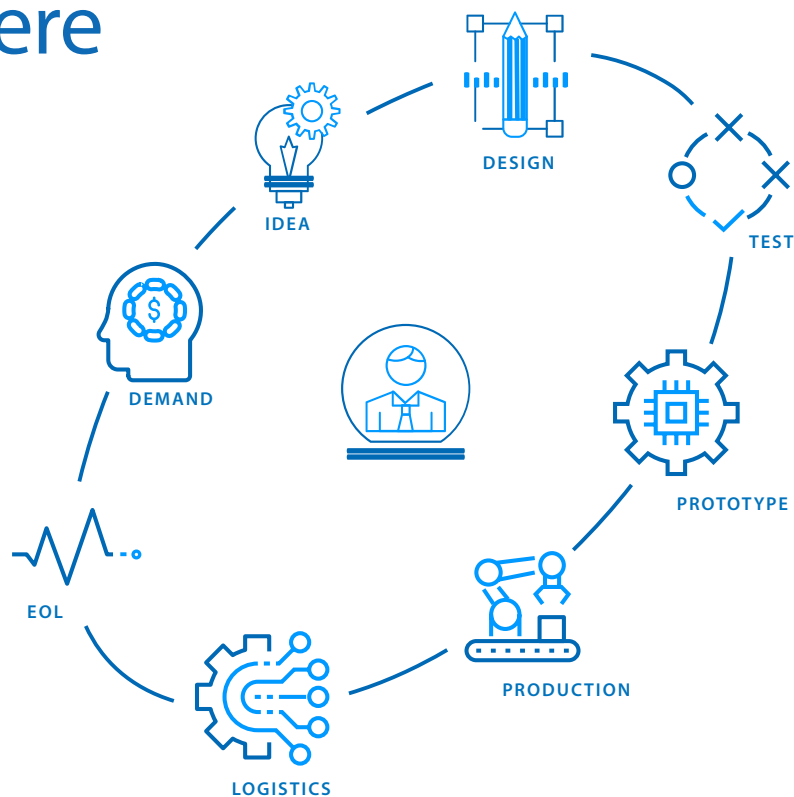
Eaton

& Alcom



Eaton offers a broad range of electronics components that include power magnetics, circuit protection, supercapacitor and terminal block products. These products serve customers in computing, consumer, energy, industrial, medical and transportation markets. Every day Eaton develops and delivers innovative new technologies and solutions that touch people at home, work and play. Technology makes it possible for all of us to accomplish things we once thought impossible. By engaging thought leaders in science, technology, innovation and engineering, we passionately pursue ideas and products that are changing how we live.

Co-creation starts here



Alcom considers everybody an indispensable added value in the collaborative chain with all of its partners.



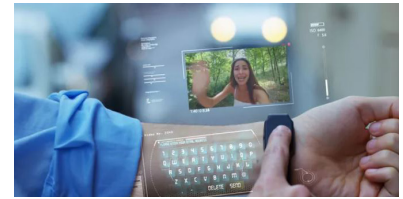
Applications



INDUSTRIAL



AUTOMOTIVE



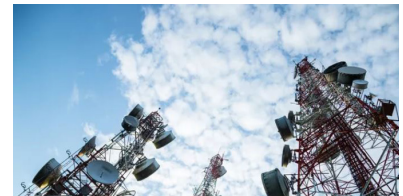
COMPUTING



CONSUMER



WIRELESS COMMUNICATION



WIRED DATA & TELECOM



MEDICAL




TRANSPORTATION




ENERGY

Eaton's Electronics Components




Circuit Protection

- Fuses and fuse holders
- PPTC resettable fuses
- TVS diodes
- Varistors
- ESD suppressors




Capacitors

- Coin cell supercaps
- Cylindrical supercaps
- Supercapacitor modules
- Hybrid supercaps
- Film DC-link capacitors
- Film safety capacitors




Magnetics

- Power magnetics
- Transformers
- EMC (RF/EMI) filters
- DC/DC converters



Terminal Blocks

- Single row/ barrier strip
- EuroMag/IEC style



Sensors

- Current sense resistors
- Current sense transformers
- Current sense shunts
- NTC thermistors surface mount
- NTC thermistors through hole

Product Overview

Circuit protection

Eaton features a broad variety of Bussmann™ series circuit protection products spanning over-current protection and overvoltage protection components.

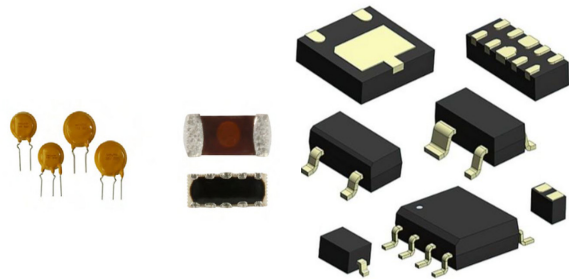
Overcurrent:

- Cartridge fuses
- EV fuses
- Fuse holders, clips, blocks
- Radial fuses
- Surface mount (SMD) fuses
- PTC resettable fuses
- Inrush current limiters



Overvoltage:

- Surface mount (SMD) varistors - MLV & MOV
- TVS diodes
- Through-hole varistors - MOV
- TVS diodes - ESD suppressors
- Polysurg™ ESD suppressors



Magnetics (inductors & transformers)

Wide range of power magnetics and EMC filtering components for a broad array of applications.

- Toroid
- Shielded drum
- High current
- Semi-shielded inductors
- Multi-phase & Vcore
- Unshielded drum
- Automotive-grade magnetics
- Transformers
- Common mode chokes
- DC/DC converters
- Chip inductors
- Ferrite beads



Product Overview

Supercapacitors

Eaton supercapacitors are unique, ultra-high capacitance devices utilizing electric double layer capacitor (EDLC) construction combined with new, high performance materials.

- Coin cells
- Small cylindrical
- Large cells
- Modules
- Hybrid cells



Capacitors

Eaton's film safety (also known as film EMI suppression) capacitors are constructed using metalized polypropylene film encapsulated with a self-extinguishing resin in a case using material meeting UL94V-0 requirements.

- Film DC-link capacitors
- Film safety capacitors



Terminal blocks

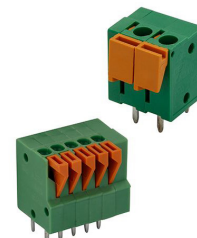
Single Row/Barrier Strips:

- Power ratings up to 50 A to 600 V
- Multiple wire and board terminations in the same footprint
- High configurability fits a majority of applications
- Can build to specific, per pole customer requirements



EuroMag/IEC Style:

- Modular and mold-to-length designs
- Pitch range from 2.54 mm to 15.00 mm
- Wire ratings from 2-24 AWG
- Accommodates applications up to 600 V



Sensors

- Current sense resistors
- NTC and PTC thermistors surface mount
- Current sense transformers
- NTC thermistors through hole
- Current sense shunts



New product releases

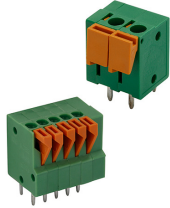
COIN CELL SUPERCAPACITORS

Coin cell supercapacitors are a type of electrochemical energy storage device in a compact and high-capacity form factor that can store and release electrical energy quickly. Coin cell supercapacitors have a number of advantages over conventional batteries, including a high power density, a long cycle life, and a fast charge and discharge rate. They are used in a variety of applications, including backup power supplies, electronic devices, renewable energy systems and medical devices.



SCREWLESS EUROSTYLE PCB TERMINAL BLOCK

Euromag (EM) Bussmann™ series PCB terminal blocks come in a variety of terminal options to make connections easy with different wire-entry orientations to solve wire routing issues. With straight-to-board, plug and header, screwless insulation displacement, 2-tiered and 3-tiered configurations, the vast majority of wire-to-board applications can be easily met with the Eaton EuroMag connector product portfolio.



CURRENT SENSE TRANSFORMERS

Eaton Current Sense Transformers (ECST) are suitable for high reliability commercial and automotive applications. ECST provides accurate sensing and measurement of current levels in power circuits and has a low DC resistance coil that can sense current levels and current direction changes with negligible energy dissipation. ECSTA is AEC-Q200 tested and suitable for high reliability automotive, ECST is suitable for commercial applications in Industrial, Computing, Medical and Energy products.



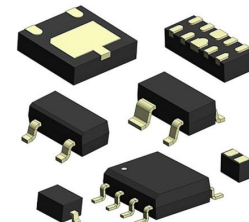
HYBRID SUPERCAPACITOR CELLS

HS hybrid supercapacitors are small-footprint, high-power energy storage devices ideal for a host of energy and industrial applications. Eaton's HS supercapacitors comprise new proprietary materials. Each supercapacitor has two electrodes, one similar to that of a battery and one a standard supercapacitor electrode. Consequently, their energy densities are closer to those of conventional batteries and up to 10 times higher than standard supercapacitors.



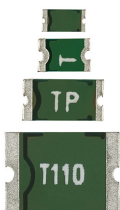
TVS DIODES, ESD SUPPRESSORS

Eaton's TVS Diode ESD Suppressors provide highly reliable protection for electronics against very fast and damaging voltage transients, such as electrostatic discharge (ESD) and induced lightning. They are ideal for I/O interfaces, digital and analog signal lines by using very low clamping voltage and operate in nanoseconds. TVS Diode ESD Suppressors are offered from 3.3 V up to 70 V and capacitances down to 0.07 pF. Multiple footprints are offered including many common footprints that can provide up to 30 kV ESD withstand per IEC 61000-4-2 and 5000 W peak power dissipation on an 8/20 μ s waveform without performance degradation.



PTS PTC RESETTABLE FUSE

Eaton's PTS family of PTC resettable fuses are polymeric positive temperature coefficient resettable overcurrent protection devices. These SMT resettable devices with low resistance and fast time-to-trip. They are RoHS compliant, halogen free, lead free device.



Alcom product portfolio

ELECTRONIC COMPONENT SOLUTIONS	WIRELESS EMBEDDED CONNECTIVITY & SENSORS	WIRELESS & INDUSTRIAL CONTROLS NETWORKING	DISPLAY & TOUCH
LED & SOLID STATE LIGHTING	POWER & EMC	RUGGED MOBILE COMPUTING	EMBEDDED SYSTEMS, AI & EDGE COMPUTING

<ul style="list-style-type: none"> • Semiconductors • Frequency & timing • Power management • Circuit protection & discretes • Magnetics • Passives & electromechanical • Connectors & cable assemblies • Photonics 	<ul style="list-style-type: none"> • Wireless modules • Antenna's • Sensors
<ul style="list-style-type: none"> • Routers & gateways • Wireless embedded computers • Industrial ethernet and IP variations • Wired & wireless machine networking • Antenna's • Device to cloud solutions • Connectivity & remote management services • Networking & connectivity 	<ul style="list-style-type: none"> • Displays • Touch screens • Optical bonding • Total display solutions
<ul style="list-style-type: none"> • LED light sources • Optics • Thermal management • Power & intelligent controls • LED modules 	<ul style="list-style-type: none"> • AC/DC power supplies • DC/DC converters • Power management modules • Wireless charging • E-mobility solutions • Transformers & power inductors • UPS • EMC filters
<ul style="list-style-type: none"> • Tablets • PDA's • Vehicle mount computers • Accessories 	<ul style="list-style-type: none"> • Computer-on-modules • Embedded boards • Industrial PC & automation • System integration

Bridging the gap between technology, people and business with a human interface.



