PRODUCT PREVIEW
altechcorp.com
Altech Corporation is an established United States supplier of components and devices used in industrial control, instrumentation, medical and automation applications. Altech provides a very broad line of products that meet UL and international standards and are RoHS and REACH compliant. Altech’s commitment to continuous quality management has been recognized since 1999 when they were awarded ISO 9001 certification.
NEW PRODUCTS from Altech®

GEOS
Tough • Flexible • Safe
Industrial Outdoor Enclosure
• All around protection through "Drain Protect"
• Multiple mounting options
• Modular component mounting system

UL98
Open & Enclosed Disconnect
60A & 100A Switches
• One design used in direct and extended handle applications
• Enclosed switches are available in plastic, sheet metal and stainless steel enclosures
• Silver contacts ensure safe and durable operation

Cuttable UL 489 Busbars
• Ratings of up to 115A
• UL listed for use with most competitor’s UL 489 Miniature Circuit Breakers

Air Ventilation System
Prevents Condensation

The Unique AKIII Enclosure
with Patented Air Ventilation System
• Integrated air ventilation
• Interchangeable flange endwalls
• Combinable
• Indoor and outdoor installation

UL1953
Power Distribution
• Built-in phase indicator
• Color Marking Plates
• For use with copper and aluminum cable

CY Series Screw Clamp Terminal Blocks
• Terminals accept wires with/without ferrules
• Very compact profile
• Easy snap-on ground blocks

Marshalling & Potential Distribution
with Push-In Technology for efficient wiring

Space & Time Saving Terminal Blocks
CYDL Series
3 Level Multi-Function Terminal

908.806.9400 - www.altechcorp.com

WINNER
DESIGN AWARD
# Table of Contents & Typical Application Chart

## CIRCUIT PROTECTION DEVICES
(Circuit Breakers, Contactors, Disconnects, Fuses, Fuse Holders, Distribution)

- Automotive
- HVAC
- Metal working i.e. CNC machines
- Pollution control
- Test equipment
- Trains
- Water desalination
- Extrusion equipment manufactures
- Hydraulic control
- Packaging machinery
- Semiconductor
- Theater lighting
- UL 508 A panel shops
- Wind generation
- Food equipment manufactures
- Irrigation, waste
- Paint heating machinery
- Solar combiner boxes
- Traffic control systems
- Water & sewage
- Yachts

## DC POWER SOLUTIONS

- Assembly production
- Building technology
- Electronic automation
- Machinery construction
- Photovoltaic
- Safety engineering
- Steel production
- Textile machinery
- Wind turbines
- Automation
- Data centers
- Feeding systems
- Molding machines
- Power supply
- Ship building
- Switchgear production
- Tunneling machines
- Automotive industry
- Disability assistance
- Industrial PC
- Packaging
- Rail vehicles
- Stations control technology
- Telecommunications and control
- Water supply

## DIN ENCLOSURES

- Alarm modules
- Home automation
- Meters
- Safety controllers
- Sensor controls (liquid level)
- Temperature controller
- Transducer
- Analyzers
- Insulation monitor
- Power monitor
- Safety modules
- Signal converter
- Test devices
- Transmitters
- Encoders
- Interface relays
- Power sensor
- Sensing and monitoring devices
- Surge suppressor
- Timers

## DIN RAIL TERMINAL BLOCKS
(Terminal Blocks, Eurostrips®, Ceramic Blocks, DIN Rail, Ferrules)

- Appliances
- Food equipment manufacturers
- Hot melt glue guns HVAC manufacturers
- And HVAC panels
- Street light camera systems and cabinets
- Environmental chambers
- Furnaces
- Medical equipment, pump
- Military
- Transportation i.e. Railway, bus lines
- Floor light boxes
- Heaters
- Price sensitive wiring applications
- UL 508 panel shops

## DISCONNECT SWITCHES

- Conveyor control i.e. Warehousing
- Food processing
- Portable power stations
- UL 508 panel shops
- Theater lighting
- UL 508 panels
- Wind generation
- Door lifts
- Metal stamping machines
- Robots
- Solar combiner boxes
- Traffic control systems
- Water & sewage
- Yachts
- Fire control systems
- Municipal pump stations
- Surge protection equipment
- Test equipment
- Trains
- Water desalination

## DISTRIBUTION POWER BLOCKS

- Commercial
- Military
- Switchgear
- Control panels
- Power distribution system
- Wind generation
- General Industrial
- Solar industry

## INDUSTRIAL ENCLOSURES

- Agricultural – feed/water devices
- Conveyor systems
- Gas detector
- Lighting junction box
- Monitoring and sensing devices
- Solar
- UL panel shops
- Alarm systems
- Cranes
- HMI
- Machine builders
- Power distribution boxes
- Switch box
- Vehicle tracking/monitoring
- Control boxes
- Disconnect box
- HVAC
- Mining
- Refrigeration
- Terminal boxes
- Water treatment

## LIQUID TIGHT STRAIN RELIEFS

- Any enclosure application (terminal box, distribution box, etc.)
- Control enclosures
- Sensor applications
- Water treatment
- Automotive
- Petroleum industry
- UL panel shops
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CIRCUIT PROTECTION

Circuit Protection Devices
- UL 489, UL 508 and UL 1077 available
- Two lines of AC or DC UL 489 Miniature Molded Case Circuit Breakers
- UL 508 Manual Motor Controllers “Suitable as Motor Disconnect”
- Three Phase Adjustable Trip Miniature Circuit Breakers/ Manual Motor Controllers
- Two lines of UL 1077 Recognized Supplementary Protectors
- UL 489 Listed Molded Case Circuit Breakers, up to 1200A
- Flange and Rotary Handles available

An industry leader in UL Circuit Protection.

NEW UL489 Cordable

Busbars
- UL 1077/ UL 508 Busbars is rated up to 200A
- Can be used with most competitor’s supplementary protectors and manual motor controllers
- UL 489 Busbars with ratings of up to 115A
- Modular UL 489 Busbar available
- UL listed for use with most of Altech’s competitor’s UL 489 Miniature Circuit Breakers
- Power Distribution System is a new way to simplify existing wiring methods inside a panel.
- Input connector Blocks up to 800A

Ground Fault Equipment Protectors

UL 489
Branch Circuit Breaker with Ground Fault Relay
- 1P + N, 2P and 2P + N versions
- 240V AC and 120/240V AC
- 10, 30, 100, and 300 mA Residual Current Sensitivity
- Rated Current 5 - 40A
- Rated Short Circuit Interrupt Capacity 10kA
- Rated Frequency 50/60Hz
- Overload tripping B, C and D

UL 1053
Ground Fault Sensing and Relaying Device
- 1P + N and 3P + N versions
- 277V AC and 480Y/277V AC
- 10, 30, 100, 300 and 500 mA Residual Current Sensitivity
- Rated Current 25, 40 and 63A
- Rated Short Circuit Withstand Capacity 10kA
- Rated Frequency 50/60Hz

UL 1053
Ground Fault Relay with Overload Protection
- 1P + N and 3P + N versions
- 277V AC and 480Y/277V AC
- 10, 30, 100, 300 and 500 mA Residual Current Sensitivity
- Rated Current 5 - 40A
- Rated Short Circuit Withstand Capacity 10kA
- Rated Frequency 50/60Hz
- Overload tripping B, C and D

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CIRCUIT PROTECTION

Open and Enclosed Motor Disconnect Switches

- Electrical ratings up to 150A/600V
- 30A / 600V AC Fused Disconnect
- Suitable for Motor Disconnect Means
- 80A disconnect is smallest in industry
- Horsepower rated to 75hp
- Extended and direct handles, toggle switches DIN Rail and panel mount
- Enclosed plastic, aluminum, sheet metal, and stainless motor disconnect switches

**UL98 60A & 100 A Switches**

- One design used in direct and extended handle applications
- Horsepower rated
- Enclosed switches are available in plastic, sheet metal and stainless steel enclosures
- Every design is lockable in OFF position
- Switching mechanism speed is independent from the operator
- Silver contacts ensure safe and durable operation

**All Stainless Steel**

UL Type 4X Stainless Steel (AISI 316) Safety Switch enclosures are ideal for hygienic and harsh environments such as the food and pharmaceutical industries. They are easy to install and clean, acid proof and pad lockable. They range from 16 - 125 Amps. One version has an angled rain hood design.

**Polycarbonate**

These enclosed switches can be used locally at the motor. They are IP65 rated and UL Type 4X, resistant against many chemicals and UV.

**Sheet Metal**

These UL Type 4 tested enclosures offer good corrosion and UV resistance. They are also resistant against many chemicals. The handle is lockable and defeatable. The enclosure is also rated to IP65.

**Stainless Steel**

These UL Type 4X tested enclosures are ideal where chemicals are used for cleaning and maintenance such as food processing plants and breweries. Mining is another application area. Their stainless steel (Grade AISI 316) construction is extremely resistant to corrosion, and the enclosure is also rated to IP66.

**Aluminum**

UL Type 4X tested
Excellent in harsh weather conditions
UV resistant
Resistant to many chemicals
IP66 Protection Level
Lockable and Defeatable Handle

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CIRCUIT PROTECTION & DISTRIBUTION

Distribution Solutions

UL1953 and UL1059

1 & 3 PHASE POWER DISTRIBUTION BLOCKS

- For use with copper and aluminum cable (solid and stranded)
- Quick mounting and wiring
- IP20 Finger Safe
- 600V AC/DC
- Current Ratings available: 80A to 380A
- Outputs available: 6 - 11
- DIN Rail or Panel Mount
- SCCR 100kA with backup fuse
- Built-in phase (L1, L2, L3) indicator in UL1953 model
- Color Marking Plates in Green, Blue or Red in UL1953 model
- Accessories increase the number of outputs with only one output (for specific models)
- No caps to open or remove
- Housing: Polymamide
- Metal Body: Aluminum (tin plated) or Brass

Hybrid Power Distribution Block

- Compact 16 mm width
- Saves Panel Space, Installation Time and Cost
- 1 Screw Clamp Input: 600V / 115A;
  14-2 AWG wire size
- 4 Spring Clamp Outputs: 600V / 41A;
  24-8 AWG wire size
- Amount of outputs are EXPANDABLE

Industrial & Photovoltaic Fuses and Fuse Holders

- Extensive line of in-stock European Fuses minimizes downtime
- Diazed, Neozed, Cylinder, NH Knife Blade and Semiconductor fuses
- Slow Blow, Fast Blow and Superfast Blow operating classes
- Crossable with many brands
- IEC and VDE electrical ratings
- Complete line of accessories

CC & J Type

- Rejection member to allow only Class CC fuses
- Rated voltage: 600V AC/DC
- Rated current: 30A
- 1, 1N, 2, 3, 3N pole versions
- 200 kA SCR rating

Midget Type

- Rated voltage: 600V AC/DC
- Rated current: 30A
- 1, 1N, 2, 3, 3N pole versions
- 200 kA SCR rating
- Optional blown fuse indication

IEC Type

- Rated voltage: 600V AC/DC
- Rated current: up to 100A
- 1, 1N, 2, 3, 3N pole versions
- 200 kA SCR rating
- Optional blown fuse indication

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DIN RAIL TERMINAL BLOCKS

All Blocks have
Universal & Flexible Push-in Jumper System & Center Marking Area

Other Features
- Easy installation
- Maintenance free
- Terminals accept wires with/without ferrules
- Design allows ferrules to be easily inserted
- Less number of accessories needed
- Very compact profile to save panel space
- Maintenance free spring clamp design
- Wide range of terminal block types and accessories

SCREW Clamp CY Series

Single Level  Multiple Connection  Disconnect  Fuse Block

Snap-On Ground Blocks
- Easy Snap-On on DIN Rail
- Jumper Capability
- More design options

SPRING Clamp CX Series

Maintenance free spring clamp design

The CX4 is the Most Compact in Industry

Many Design Options Available
CX Series is suitable for vibration applications

Multi-Connection  Double Level  5x20 Fuse Block  Disconnect  Feed-Through

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DIN RAIL TERMINAL BLOCKS

**NEW**

The Space & Time Saving
CYDL Series
Multi-Function Terminal
for High Density Wiring

3 Levels:
Top: Fuse, Disconnect or Feed Through
Middle: Feed-Through
Bottom: Grounding Terminal (optional)
- Universal Push-in Jumper System
- Test plug suitable screws (CYDL4)
- Built-in end plate

**Over 60% More Space**

Solution with the CDYL series

**Marshalling & Potential Distribution Terminal Blocks with Push-In Technology for efficient wiring**

**SPACE & TIME SAVING**
- Organized wiring of large number of wires
- Push-In connection Technology
- Test point on each terminal
- Marking options to organize wiring
- Over 1000 connections per foot

**Panel Mount / Mini Terminal Blocks**
- Screw clamp series (CMB4)
- Spring clamp series (CSCP2.5)
- 15mm Rail version available (CMT4)
- Extremely compact
- Series feature high density to save panel space
- Cost effective
- Various color and accessories

**Ring Tongue / Stud Terminal Blocks**
- Bolt version
- Captive nut version
- Power Blocks up to 230A
- Secure and safe connection for severe vibration applications

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Terminal Blocks & Accessories

Terminal Strips
Eurostrip® Style
- Easy Mounting and Connection
- Reliable Connection Every Time
- Up to 63A
- Feed-through Flat Base (300V)
- Feed Through Standoff Feet (600V)
- Pluggable Version
- Various Accessories

Ceramic Blocks
Euroblock™ Style
- Compact, space saving
- Tubular screw clamp
- Free float or panel mount
- Temperature range: -40°C (-40°F) to 600°C (1112°F)
- Standard color: white
- Material:
  Housing: Steatite
  Clamp: Brass
  Screws: Zinc plated steel

DIN Rail & Accessories
- 35mm, 32mm, 15mm
- Perforated or unperforated
- Standard rail is steel with galvanic zinc plating and passivation
- Aluminum Rail is made of Aluminum
- Stainless steel rail is made of AISI 304 type stainless steel

UL Recognized Ferrules
- UL Single Insulated Wire Ferrules
- UL Twin Insulated Wire Ferrules
- UL Insulated Wire Ferrules on Reel or Belt
- Insulated Industry Standard Wire Ferrules
- Insulated DIN Standard Wire Ferrules
- uninsulated Industry Standard Wire Ferrules
- Insulated Dual Wire Ferrules
- Insulated Ferrules Assortment Box
- Crimpers

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PCB TERMINAL BLOCKS

Broad Selection and Styles

Screw Clamp PCB Terminal Blocks

Fixed PCB Terminals
- Metric (mm) and US (inch) pin spacing (3.50mm to 20.32mm)
- Single, Double and Triple Level versions
- Various clamp styles (Wire protection & Cage Clamp)
- Vertical, horizontal types
- Modular configuration for faster availability
- Angled versions (35° and 45° wire entry)
- Various colors available
- Custom imprints

PCB Plugs & Headers
- Metric (mm) and US (inch) pin spacing (3.50mm to 10.16mm)
- Horizontal/vertical Plugs and headers
- Screw flange versions
- Double Level Headers
- Phoenix Contact compatible
- Custom Imprints

For a FREE Demo Kit visit altechcorp.com/PCBs

Spring Clamp & Push-In PCB Terminal Blocks

Fixed Push-in PCB Terminals
- 2.50 / 2.54 / 3.50 / 3.81 / 5.00 / 5.08mm pin spacing
- 2A / 6A / 10A current rating
- 150V / 300V
- Vertical/horizontal
- Lever version

PCB Power Terminals Push-in
- 5.00 / 750 / 11.50mm pin spacing
- 20A / 35A current rating
- 300V
- Vertical/horizontal

Tension Spring Terminals
- 2.50 / 2.54 / 5.00 / 5.08 / 750 / 10.00mm pin spacing
- 4A / 6A / 15A / 16A current rating
- 150V / 300V
- Lever version
- Double level

Push-in Plugs
- 3.50 / 3.81 / 5.00 / 5.08mm pin spacing
- 10A current rating
- 300V
- Screw flange

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Tough
UV and weather resistant
Corrosion resistant
Temperature resistant -35° to 80°C
High impact resistance - IK 09

Flexible
Modular component mounting system
Lightweight
Easily machined
Multiple mounting and closure options

Safe
Drain Protect seal system
Air ventilation element option
High protection rating IP67
Insulated protection

5 sizes - up to 15.75 x 19.69 x 8.9 in.
Gray or Transparent cover
2 different depths

Modular Component Mounting System
1 Partition walls
2 Universally usable for plates and rails
3 Different installation heights
4 Subsequent insertion of modules
5 Mounting brackets, no tools needed

The Unique AKIII Enclosure with Patented Air Ventilation System
- Prevention of condensate water while preserving the high protection class IP65
- High air exchange rate
- 100% pressure compensation
- Foreign object protection • Maintenance-free

Wide Range of Features:
- Integrated air ventilation
- Top/bottom interchangeable flange endwalls
- Height-adjustable mounting rail
- 150 mm rail spacing
- Optimized hinged window • Combinable
- Multiple installation options
- DLG focus test: Ammonia resistance
- Indoor and outdoor installation
- Free of halogen, PVC and silicone

Enclosure Size Range:
12.4 x 11.8 x 6.1 in to 12.4 x 29.5 x 6.1 in
Knockouts Sizes:
M40/50 - M20/25 - M20 - M20/25 -M32/40

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INDUSTRIAL ENCLOSURES

TK SERIES
- 18 different enclosures with up to 3 different cover heights
- IP66 (UL Type 4X)
- Polystyrene or Polycarbonate
- Gray or tinted transparent covers
- Smooth sidewalls or sidewalls with knockouts
- Knockout mounting holes in enclosure base
- Tongue and groove with polyurethane gasket (CFC free)
- Non flammable and halogen free

TG SERIES
- 16 sizes available
- IP67 (UL Type 4X)
- ABS or Polycarbonate
- Gray or transparent covers
- Smooth sidewalls
- Integral cover retainers
- Flame resistant and halogen free
- Recessed cover for labels or membrane keypads

AK SERIES
- Direct mount
- Corrosion and maintenance free
- Polycarbonate base and cover
- Polycarbonate transparent doors
- Integral seals
- High mechanical strength
- Halogen free
- Up to IP65 protection

ABOX-i SERIES
- Direct mount
- Glass reinforced Polycarbonate
- IP65 protection
- Integral seal
- High temperature resistance 120°C (248°F)
- Corrosion and maintenance free
- Halogen free
- High chemical resistance
- UV fade resistance for optimal outdoor use
- Ideal for installations in high risk fire areas

HP SERIES
- Direct mount
- Semi rigid polypropylene
- Dust and splash proof
- Contact labyrinth seal
- Temperature range up to 100°C (212°F)
- IP54 protection
- Non-flammable
- Low halogen
- Universal entry seals
- Standard rear knockouts
- Drainage inlets

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INDUSTRIAL ENCLOSURES

AK SERIES
- Cast aluminum
- 24 enclosure sizes
- Exterior of the enclosure is protected by powder coating (silver-gray - RAL 7001)
- IP66 protection
- High degree of resistance to chemicals and other damaging materials
- Protection against electromagnetic interference (EMI)

ABOX SERIES
- 6 types
- Modern design and shape that allow for optimum use of installation space
- IP65 protection
- 2 to 4 high grade self-taping screws secure the lid
- Tongue and groove sealing system with polyurethane gasket
- Made from non-flammable Polystyrene

EK SERIES
- Direct mount
- Small to medium size
- Polycarbonate base and cover
- Integral seals
- Dust and moisture proof
- IP65 protection (ULType 4X)
- High mechanical strength
- Corrosion and maintenance free
- Halogen free

PB SERIES
- IP66
- Universal fit for 22.5 mm diameter push buttons
- Compatible with the EK and TK Enclosure Series
- Metric knockout sidewalls
- Black cover screws are standard with all models
- UV, weather and impact resistant
- Modern, rugged enclosures made of glass fiber reinforced Polycarbonate

Find your enclosure @
908.806.9400 - www.altechcorp.com
STRAIN RELIEFS & DIN ENCLOSURES

Liquid Tight Strain Reliefs

- Full line of Liquid Tight Strain Reliefs (Cord Grips)
- Standard and Industrial Series
- Available in polyamide, nickel-plated brass and stainless steel
- Straight-through, strain relief, bend protection, pull/bend protection, flat cable, multi-conductor and EMI/RFI functions
- Compatible with almost any type of cable, cord or conductor
- Available in PG, Metric and NPT thread sizes

Corrugated Tubes

- Material: Polyamide 6
- Flame retardant according to DIN 75200 and UL
- No halogen
- Durable
- Temperature Range: -40 to 120°C, short term 150°C
- Connectors, Seal Rings, O-Rings, Mounting Clips
- Various Sizes Available

DIN Enclosures

- Protect electrical, electronic and electromechanical devices with any of seven DIN Enclosure series
- Up to 144 ready-to-wire terminals, integral PC Board guides and terminal-to- board connector options
- Fixed and pluggable terminal options
- DIN Rail or optional panel mount
- In-Rail Bus System
- Custom imprints, markings and cut outs available

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PUSH BUTTONS & CONTACTORS
22 and 30 mm Push Buttons

Altech 22 and 30 mm Push Buttons offer ideal cost-effective solutions for control circuits utilizing both direct and remote management applications. Ease of assembly has been engineered into the design; the only tool necessary for installation is a screwdriver.

- Metallic Push Buttons, Selector Switches and LED Pilot Lights
- Designs include Operators, Pilot Lights, Modular Contact Blocks and Bulb Holders
- Push Button Stations
- Wide range of accessories
- Plastic models available
- LED Indicating Devices
- Pilot Lights
- Push Button Enclosures
- Custom Push Button Assemblies

Large Selection of E-Stops & Enclosures

MOTOR CONTACTORS, OVERLOAD RELAYS & MANUAL MOTOR STARTERS

- Rated for
  - Single Phase (115 - 230V)
  - Three Phase (200 - 575V)
  - Large variety of AC and DC Coils
  - 3 and 4 pole configurations from 10A to 800A.
  - Accessories include overload relays and auxiliary contacts
  - Mini contactors come in screw clamp, fast-on, and solder pin types

High Quality at Competitive Prices

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SAFETY SWITCHES & SUSPENSION SYSTEMS

Safety Products for Man and Machine

Keyed Safety Switches
- Monitors the position of hard guarding doors, gates & panels
- Plastic and metal switch bodies in a variety of sizes
- Many different actuation keys available
- Normally Closed and/or Normally Open Contacts
- Switching capacity 240 Volts; 10 AMPS
- B10d up to 2 million cycles
- Protection Rating IP65

Solenoid Locking Safety Switches
- For locking hard guarding doors, gates & panels
- Plastic and metal switch bodies in two different sizes
- Many different actuation keys available
- Normally Closed and/or Normally Open Contacts
- Switching capacity 240 Volts; 10 AMPS
- B10d up to 2 million cycles
- Protection Rating IP65

New RFID Non Contact Safety Switches
- Safety Rating Cat. 4, PLe, SIL CL3; standalone or in series
- Plug and play M12 connector installation
- PNP or DCD diagnostics
- Common, High or Unique Coding
- 13mm sensing distance
- Local reset available
- Protection Rating IP69

Safety Limit Switches
- Huge range of housing & actuation types
- Switch bodies in plastic or metal
- Normally Closed Positively Opening Contacts
- B10d up to 20 million cycles
- Switching Capacity 240 Volts; 10 AMPS
- Protection Rating IP65

Hinged Door Safety Switches
- Monitors the position of hard guarding doors, gates & panels
- Easy to install and tamper proof
- No alignment or re-alignment necessary
- Actuator free with no mechanical deterioration
- Reliable operation - B10d up to 2 million cycles
- Up to 4NC/2N0 contacts per switch
- Protection Rating IP67

Safety Rope Pull Switches
- Plastic and Metal switch bodies
- Quick Fix safety rope mounting system
- Built in reset /emergency stop button
- Clearly visible rope tension indication
- Switching Capacity 240 Volts; 10 AMPS
- Protection Rating IP67

Suspension Systems
- Modular Design
- Aluminum and Steel Constructions
- Light Duty (up to 99 lbs.)
- Medium Duty (up to 275 lbs.)
- Heavy Duty (up to 330 lbs)
- Special Stainless Steel Tubing

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DC POWER SOLUTIONS

DIN Rail Power Supplies

- DIN Rail mount
- Large variety
- Wide Power Range (10W-960W)
- Wide Adjustment Range
- Rugged for Industrial Use
- High Efficiency
- Lightweight and compact Design
- Short circuit Protection
- Overvoltage Protection
- Overload Protection
- Over-temperature Protection
- Cooling by free air convection
- UL 508 Listed and/or
- UL 60950-1 recognized
- Worldwide approvals
- 3 year warranty

Battery Chargers and DC-UPS Solutions

All-In-One DC-UPS
- Power supply, battery charger, battery care module and backup module in one device
- Three charging modes
- Available in 12VDC, 24VDC and 48VDC
- Adjustable charging current up to 35A
- Easy battery diagnosis and fault identification either by LED or external devices connected to fault
- High efficiency up to 91% via switching technology

Ultra Capacitor DC-UPS
- Environmentally safe
- No toxic chemicals
- Virtually maintenance free
- Operating temperature range -40°C to +65°C
- Higher energy vs. electrolytic capacitors
- 12, 24V or 48V DC system design
- AKKUTEC - Battery Back-Up
- Up to 10,000 Ws energy plus extension modules
- Customized systems up to 600A available
- Resists shock and vibration

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RELAYS & TIMERS

Wide Range of Relays

Safety Relays
• Feature forced-guided contacts
• Broader line of Safety Relays that meet the ASME requirements
• Relays meet 2006/42/EC requirements
• IEC / EN 60204, IEC/EN 62061 and DIN/VDE 0113
• Available from 2-8 contacts, 6-10A, 5-220V DC coils
• Applications include emergency stop, two-hand safety, railroad signaling and elevator/escalators.

Relays Modules
• Electronic modules and carriers.
• DIN mountable module
• Connector to terminal blocks
• Relay Modules & Safety Relay Modules
• Diode Modules
• Component Carrier Modules
• I/O opto Carriers
• Custom Designed Modules for any size order
• Quick Delivery

Solid State Relays
• Single, Two and Three Phases
• Solid State Relays for Motor Control
• 1ms on and off times
• 100kA UL SCCR approved
• Produce less electrical interference
• Construction designed to increase lifetime
• Runs silently • Vibration proof
• IP20 Touch Protection • Heatsinks
• Phase Angle Controllers
• DC Solid State Relays
• Accessories

Industrial Relays
• Industrial Electromagnetic Relays
• Miniature Electromagnetic Relays
• Slimline Interface Relays
• Sub-miniature Electromagnetic and Solid State Modules
• Relays for Photovoltaic
• Relay Socket Combination
• Accessories

Slim Line Relays
• Only 6.2mm thick
• Slim DIN Rail mountable interface solution
• Modules have a plug in construction
• Modules available with solid state or mechanical relay
• Built In LED indicates the relay energizing state
• The relay features a SPDT configuration and a maximum switching current of 6A
• Coil voltages from 5VAC/DC up to 230V AC/DC
• Pluggable jumpers available

Smart Relays
• Supports up to 48 I/Os (32 digital inputs & 16 digital outputs)
• DST Feature Available
• Backlit LCD Screen for display & modification of pre-selected parameters of functional blocks, viewing I/O status and programming on the device
• PC software for programming, online & offline simulation, documentation & printing
• Designed for use in automation for commercial & Industrial sectors
• Modbus Communication

Digital Timers
• Universal Digital Multi-Timer
• Universal Voltage 24–265 V AC/ DC
• Wide Time Range: 0.1s – 999h
• 3 Digit LCD Display for Preset Time and Run Time
• DIN Rail Mounted
• 17.5mm Width
• 8A Relay Output
• Universal Multi-Timer
• Programmable Panel-Mount Digital Multi-Timer
• Digital Time Switch
METERS & SENSORS

Digital Panel Meters
- Multi Function Meters
- Ampere Meters
- Voltage Meters
- Frequency Meter
- Power Factor Meter
- Disconnect and Test Terminal Block

Mechanical Thermostats
- Adjustable Temperature Control
- Wide Adjustment Range
- Color Coded Dial
  (Red: Heating, Blue: Cooling)
- DIN Rail Mountable

Process Controllers
- Temperature Controllers
- Earth Leakage Relays
- Voltage Protection Relays
- Current Protection Relays
- Process Indicators
- Timers

Sensors
- Large variety of Inductive Proximity Sensors are also available.

Tunnel Sensors
- High Sensitivity
- Custom Sizes
- Various Control Options

Flat Pack Sensors
- High Sensitivity
- Metal Detection & Localization
- Custom Dimensions and Solutions

Inductive Proximity Sensors
- Cylindrical, Limit, Block and Ring Sensors
- Standard and analog models
- Standard and extended sensing distance
- Sensitivity as low as 0.15mm steel ball
- Mini, Normal, Analog, High and Ultra High sensitivity ring models
- Modular flat packs for conveyor belt sensing
- Unique metal separation systems available

Ring Sensors
- Various Sizes
- Various Diameters
- High Sensitivity
- Ultra High Sensitivity

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Industrial Foot Switches
Internationally approved Foot Switches for use in demanding industrial applications. Due to the sturdy design of the die cast aluminum housing, the foot switch is an exceptional value for harsh environments. They can be easily customized with nameplates, imprints, cord sets, connectors and strain reliefs.

Medical Foot Switches
- Available in 1, 2 and 3 pedal designs
- Robust and slip resistant
- High quality materials, such as Aluminum cast alloy and reinforced polyamide
- Environmental protection level up to IPX8 per IEC/EN 60529
- Easily cleaned and hygienic
- Ergonomic design with intuitive actuation
- Custom colors and markings are available

Pin & Sleeve Devices / Receptacles
- Large selection
- IEC 60309 certified power plugs and connectors.
- Electrical rating up to 30A/600V AC
- IEC styles up to 125A/690V AC
- Designs include plugs, receptacles, inlets and connectors
- Splash proof and watertight versions
- Exceptional anti-tracking properties
- Designed for industrial use
Test & Measurement
- Size range of 0.64 mm to 4 mm
- Clamp-type test probes
- Alligator clips • Test probes
- Oscilloscope • Measuring leads
- Plugs • Sockets • Sets

Wire Duct
- Exceptional wire protection
- Non-slip interlocking covers
- High impact, rigid PVC construction
- Unslotted, standard slotted or thin slotted models
- Sizes range from 1x1.5 in. to 5x3 in.
- Noryl material also available
- Grey, white, blue and black available
- Covers shipped complete with wire duct

Marking Systems
- Compatible for terminal block markers and wire markers such as Altech Corp, Allen Bradley, Connectwell, Conta Clip, Entrelec, Weidmuller, Phoenix Contact, PTR, Wieland, Wago, Murplastik, Partex, SES, Sterling, etc.
- Engravers for plastic signs, legend plates, inlays, etc.
- Plotter pens (0.18 - 1.00 mm)
- Ink for plastic material and general use
- Pen cleaners, Fixtures, Software
- Service and repair available from Altech

Custom Assemblies

Application Assistance
Modify a standard product
Help define a new product

Engineering Capability
Use of latest CAD system
PCB layouts completed promptly
Prototypes available two weeks after PCB layout approval

Minimum Quantities
25 piece minimum for custom quotes
Quotation provided at no cost

Altech Benefits
Fast turnaround due to in-house capability
Highly competitive in-house manufacturing
Use of Altech components (blocks, extrusions, connectors)

Tower Lights
- Sleek & Stackable Design
- SMD LED Technology
- Uniform & Bright Illumination
- Continuous, Flashing and Rotary Integrated LED Light Modules
- Flexibility to upgrade from Single LED Unit to multiple LED
- Optional features

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