NEW Products

Push-in Technology Terminal Blocks
Highlight & Features
- No tool required for easy connection
- Direct connection of solid wires and flexible wires with ferrules
- Thinnest 3.5 mm wide terminal block in the industry

GEOS  Hinged Door Enclosure
- Can be opened quickly and easily and closed safely
- Sizes up to 15.7 x 19.7 x 8.9 in
- Good operability of components
- No restrictions for the assembly of internal fittings

DC Motor Disconnects Switches
- KU363N
  - 60A/48V DC (3 Pole in series)
- PV 132 RT
  - 32A/48V DC (1 Pole)
  - Door mounting kit available
  - Switching mechanism speed is independent from the operator

Multi Function Wire Prep & Ferrule Crimper
- Automatically Loads Ferrule
- Crimps Ferrules from 20 AWG to 14AWG
- Built in Lead Wire Stripper / Cutter
Sensor & Actuator Cables & Connectors
M8 & M12

- Molded Female Cable Assemblies
- Field Wired Connectors
- Panel Feed-Through Connectors

Position switches IN73 and MN78
- Especially suitable for switching low currents
- Sophisticated combination of metal and/or plastic components
- Modular design with numerous actuators to choose from

Safety Rope Pull Switch SRO
- Choose from metal or thermoplastic enclosures and actuators
- Emergency stop button available upon request
- Max. rope length of 30 m

Altech UL 489 with Dual Terminals

A Box terminal for solid conductors or flexible conductors with or without cable lug.
B Screw terminal for forked cable lug.
C Screw terminal for ring tongue connection.

908.806.9400 - www.altechcorp.com

ESTIMATED AVAILABILITY FALL 2021
# Table of Contents & Typical Application Chart

## Circuit Protection Devices
- Automotive
- HVAC
- Metal working i.e. CNC machines
- Pollution control
- Test equipment
- Trains
- Water desalination
- Extrusion equipment manufacturers
- Hydraulic control
- Packaging machinery
- Semiconductor
- Theater lighting
- UL 508 A panel shops
- Wind generation
- Food equipment manufacturers
- 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
- Photovoltaics
- 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
- Analizers
- 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
- 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 A panel shops

## Disconnect Switches
- Conveyor control i.e. Warehousing
- Food processing
- Portable power stations
- UL 508 A panel shops
- Theater lighting
- UL 508 A 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
- Power Distribution

## 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 508 A 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 508 A panel shops
### PCB TERMINAL BLOCKS
- Circuit board manufacturers
- Irrigation control systems
- Contract manufacturer’s
- Medical devices
- Electronic test equipment
- Panel shops

### POWER SUPPLIES
- Aircraft applications
- Automation engineering
- Control panel application
- Elevator / escalator applications
- IT
- Low voltage applications
- Oil refineries
- Vending machine
- ATM
- Automation process
- Data centers
- Home automation controller
- Led lighting
- Machine safety applications
- Smart building applications
- Wind turbines
- Automatic door
- Automotive applications
- Electrical appliances
- Hospitals
- Led signage/ display
- Oil and gas stations
- Solar panels applications

### PUSH BUTTONS AND E-STOP
- Control panels
- Conveyor systems
- Motor controllers
- Medical treatment and diagnostic
- Metalworking
- Food processing
- Packaging equipment
- Lifting/moving equipment
- Electronic production equipment
- Compressor control
- Construction/building material handling
- Industrial automation
- Sorting machines
- Contactor control
- Lifting/moving and transportation Equipment
- Wood production
- Printing
- Semiconductor fabrication equipment
- Plastics & rubber processing
- Paper & cardboard production equipment
- Laundry/dry cleaning facilities
- Equipment control
- Human machine interface (HMI) controls
- Overhead and gantry crane controls
- Textile production
- Medical laser & x-ray equipment
- Pumping station control
- Materials handling
- Inspection/testing equipment
- Transportation equipment control

### RELAYS
- Bailers
- Emergency stop modules
- Lift equipment
- OEM’s
- System integrators
- Conveyor systems
- Instrumentation / PLC houses
- Light curtains
- Railway
- UL 508 panel shops
- Elevator/escalators
- Laser systems
- Machine safety
- Sorters

### SAFETY & LIMIT SWITCHES
- Agricultural equipment
- Elevators & escalators
- Machine tool
- Printing
- Automotive
- Food processing
- Metal forming
- Robotics
- Injection systems
- Injection molding
- Packaging
- Woodworking
- Conveyer systems
- Fish nursery
- Rail car manufacturer

### SENSORS
- Agriculture
- Food industry
- Plastic industry
- Automotive
- Military applications
- Recycling
- Fish nursery
- Rail car manufacturer

### TIMERS
- Car washes
- Process control equipment
- Consumer electronics
- Toll gates
- Industrial equipment
- UL 508 A panel shops

### TOWER LIGHTS
- Automated assembly lines
- Control cabinets
- Machine status indication
- Visualize reduction in time-loss from down-time
- Automated conveyor system
- Equipment monitoring from a remote station
- Processing machine
- Warehouse automation
- Call for parts, service, or pickup
- Grocery stores
- Remote monitoring
- Warning indication

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908.806.9400 - www.altechcorp.com
SUPERIOR Family of Circuit Protection

AC and DC models and the Most trip curves in the industry.

UL(AC), DL(DC) Series

• Available in AC and DC models
• 0.3-63A / 240V AC, 0.3-32A / 480Y/277V AC
• 0.3-60A / 125V DC (1 pole) / 250V DC (2 pole)
• Thermal Magnetic
• 10kA Short Circuit Interrupting Capacity

UL508

V-EA Series
Manual Motor Controller

• Most Trip Curves in the Industry
• 0.3-60A/480Y/277V AC
• 0.3-25A / 42V DC (1 pole) / 80V DC (2 pole)
• 30-60A / 24V DC (1 pole) / 60V DC (2 pole)
• Thermal Magnetic
• 10kA Short Circuit Withstand Capacity

UL1077

UR Series
Supplementary Protector

• 0.5-60A / 480Y/277V AC
• Thermal Magnetic
• 10kA Short Circuit Withstand Capacity
Most Complete Lineup of UL Ground Fault Equipment Protectors

General Features
- Residual Current Sensitivity 10, 30, 100 and 300mA
- Rated Frequency 50/60Hz

**ONLY UL 489**

GFL Series, (5A - 40A)
10kA UL489 Listed Branch Circuit Breaker with Equipment Ground Fault Protection (RCBO)
- 1+N, 2 and 2+N Poles
- 240V AC and 120/240V AC
- Rated Current 5 - 40A
- Overload Tripping B, C and D
- Rated Short Circuit Interrupt Capacity 10kA

**UL 1053**

GF Series, (5A - 40A)
480Y/277V AC Ground Fault Relay with Overload Protection (RCBO)
- 2 and 4 Poles
- 277V AC and 480Y/277V AC
- Rated Current 5 - 40A
- Overload Tripping B, C and D
- 10kA Short Circuit Withstand Capacity

**UL 489**

Miniature Molded Case Circuit Breakers
- AC and DC models
- 1, 2, 3 Poles (4 available upon request)
- C, D Trip Curves; (Z special order)
- DIN Rail Mounted (17.5mm width per pole)
- 0.2-63A / 240V AC, 0.2-32A / 480Y/277V AC
- 0.2-63A / 125V DC (1 pole) / 250V DC (2 pole)
- Thermal Magnetic
- 10kA Short Circuit Interrupting Capacity
- Line/Load reversible

**UL 1077**

Recognized Supplementary Protectors
- 1, 2, 3 Poles (4 available upon request)
- B, C, D Trip Curves
- 0.2-63A / 480Y/277V AC
- Thermal Magnetic
- 10kA Short Circuit Withstand Capacity
- Positive Trip indicator

**Our 2nd Superior Line of Circuit Protection**

**UL 508**

Listed Manual Motor Controllers
- 1, 2, 3 Poles (4 available upon request)
- B, C, D, G Trip Curves
- 0.2-63A / 480Y/277V AC, 50/60Hz
- Thermal Magnetic
- 10kA Short Circuit Withstand Capacity
- Positive Trip indicator

**UL 1053**

GF Series, (5A - 40A)
480Y/277V AC Ground Fault Relay with Overload Protection (RCBO)
- 2 and 4 Poles
- 277V AC and 480Y/277V AC
- Rated Current 5 - 40A
- Overload Tripping B, C and D
- 10kA Short Circuit Withstand Capacity

Our 2nd Superior Line of Circuit Protection

**UL 508**

Listed Manual Motor Controllers
- 1, 2, 3 Poles (4 available upon request)
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Recognized Supplementary Protectors
- 1, 2, 3 Poles (4 available upon request)
- B, C, D Trip Curves
- 0.2-63A / 480Y/277V AC
- Thermal Magnetic
- 10kA Short Circuit Withstand Capacity
- Positive Trip indicator

908.806.9400 - www.altechcorp.com
• Better and cleaner than wiring
• UL 508/ UL 1077 Busbars is rated up to 200A
• UL 489 Busbars with ratings up to 115A
• Cuttable models
• Universal - fits most manual motor controllers and supplementary protectors

UL508 & UL1077
UL489

NEW UL489 Cuttable

Watch this video to see the proof
youtu.be/OppmdmTzkOU

TR Series
UL1077 Recognized Supplementary Protector/ Circuit Breaker for Equipment
• Electrical Ratings: 0.5-16.0A / 240V AC, 50/60Hz, 32V DC / 24V DC (VDE)
• 3 Operating

Applications:
Protection of Control Transformers, UPS, Power strips, Solenoids etc., against damage due to overload conditions.
Disconnect Switches
Open or Enclosed

UL98 60 A & 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

UL 508
- UL 508 Listed Manual Motor Controllers for AC Motor
  Across-the-line, AC General Use.
- 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

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

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

Sheet Metal
- 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.
DIN Rail Terminal Blocks

CP Series
Push-In Terminal Blocks with Universal Push-in Jumper System

FEATURES
- No tools required
- State-of-the-art Connection Technology
- Stainless Steel Push-In spring
- Universal Push-In Jumper System
- 3 Marking Tag Areas (Center, Sides)
- Most Compact 3.5 mm Terminal

CX Series
Spring/ Cage Clamp Terminal Blocks with Universal Push-in Jumper System

FEATURES
- Compact Design
- High Quality Stainless Steel Spring
- 3 Marking Tag Areas (Center, Sides)
- Universal Push-In Jumper System
DIN Rail Terminal Blocks

CY Series
Screw Clamp Terminal Blocks with Universal Push-In Jumper System

FEATURES
- Universal Push-In Jumper System
- Strong Clamping System
- Snap-On Ground Blocks
- 3 Marking Tag Areas

A Feed-Thru Terminals
- Up to 65A/6AWG
- Same profile Ground Blocks
- Many colors
- Same profile on all sizes for less accessories

B Multi-Connection Terminals
- 3 and 4 Connection Terminals
- Same profile Ground Blocks

C Disconnect Terminals
- Knife Disconnect (CYK4)

D Fuse Terminals
- 5x20mm fuse type (CYF4)
- LED indicator for blown fuse

E Multi-Level Terminals
- 5mm and 6mm Double Level (CYDLG2.5, CYDLG4)
- Offset version (ODL2.5)
- Ground Level versions (CYDLG2.5, CYDLG4)

F Multi-Function Terminals
- CYDL-Series
- Many various design options
- Up to 60% space saving
- Top Level: Fuse, disconnect or Feed-thru
- Mid Level: Feed-Thru
- Bottom Level: Ground (optional)

Universal Push-In Jumper Technology
1 jumper - 3 block types

Compatible with Spring, Screw and Push-In Terminals.

- CP Series
- CX Series
- CY Series

FEATURES
A Standardized in various pole configurations
B Easy breakout pins to skip terminals
C 2 jumper channels for various circuit options
D Step down jumpers to short different wire size terminals
E Felt-tip pen marking area
CT Series
Screw Clamp Terminal Blocks with Traditional Screw Jumper System

FEATURES
- Large Range of Block types for many applications
- Screw-Type Jumper system
- Various accessories

A Feed-Thru Terminals
- Up to 240A/ 250kcmil
- Same profile Ground Blocks
- Many colors

B High Voltage Terminals
- 1000V UL
- 1500V IEC DC Rating
- Up to 65A/ 6AWG

C Multi-Connection Terminals
- 3 and 4 Connection Terminals
- Same profile Ground Blocks

D Multi-Level Terminals
- Double Level (CDL4U)
- Offset version (ODL4U)
- Triple Level (CTL2.5U)
- Sensor Terminals with LED
- Built-in Electronic Components (CDL4U(E)xx)
- Ground Level versions (CDLGxx, CTLG2.5)

E Fuse Terminals
- 5x20mm fuse type (CF4U, CF4SP)
- Double Level (DDFL4U)
- ¼ x 1¼ (CAF4L4U)
- LED Indicator

F Disconnect Terminals
- Shorting Block System (CDS6U)
- Knife Disconnect (CKT4U)
- Slider Style (CDTTU)

G Thermocouple Terminals
- K, J, T, E Type
- Includes markers (+, -)

H Tab Connection Terminals
- Standard “Quick-Connect” Tabs

Top Selling - CTS4U-N
Single Level Feed-Through Screw Clamp Terminal Block

Ring Lug & Stud Terminals

FEATURES
- Accept Ring/ Fork Lugs
- Withstands severe vibration
- Accepts very large wire sizes
- High Torque values

A Ring Lug Barrier Terminals
- Phillips screw (CBS Series)
- Slotted Hex Nut (CSB Series)
- Up to 85A/ 4AWG
- Protective Cover

B Ring Lug Stud Terminals
- Hex Nut
- Up to 125A/ 2AWG
- Protective cover

C Hinge-Type Ring Lug Terminals
- Captive Nut Built-in hinge
- Feed-Thru Terminals
- Shorting Terminal Blocks (STH4DT)
- Up to 115/ 2AWG

D Power Terminals
- Nut/ Bolt Connection
- Up to 230A/ 4/0AWG
- Protective Cover

E High Current Power Terminals
- Up to 230A/ 4/0
- Hinged Finger Safe cover
- Stackable
- 2, 3, 4 pole jumpers

F Grounding/ Distribution System
- 3 Clamp sizes
- Panel Mount
- DIN Mount
DIN Rail Terminal Blocks & More

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 & 15mm Mini Rail Terminal Blocks
Spring / Screw Clamp Technology

FEATURES
- Extremely Compact wiring solutions
- Screw & Spring/ Cage Clamp Technology
- 15mm Mini Rail Terminals
- Modular Panel Mount Terminals

A Panel Mount, Screw Clamp
- CMB4, 35A
- Modular/ Stackable
- Snap-together design

B Panel Mount, Spring Clamp
- CSCP2.5T, 20A
- 2 or 4 connection version
- Modular/ Stackable
- Snap-together design

C Micro Panel Mount, Spring Terminals
- 3 sizes
- Up to 26A/ 14AWG
- 2 or 4 connection versions
- Modular/ Stackable
- Snap-together design

D 15mm Mini Rail Spring Terminals
- Feed-thru Terminal (CXM2.5)
- Ground Terminal (CXMG2.5)
- Push-In Jumper System

E 15mm Mini Rail Screw Terminal
- Feed-thru Terminal (CMT4)
- Ground Terminal (CGMT4)

F Ceramic Terminal Block
- Suitable for temperatures up to 600°C
- 3 Sizes
- 1-4 pole configurations
- Free floating or panel mount

8-Level Marshalling Terminal Block with 8x4 Connections each
Potential Distribution Terminal Block with 32 connections
Potential Distribution Terminal Block with 2x16 connections

Panel & 15mm Mini Rail Terminal Blocks
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

908.806.9400 - www.altechcorp.com
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

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

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

CrimpIt F Multi
Multi Function Wire Prep & Ferrule Crimper
- Automatically Loads Ferrule
- Crimps Ferrules from 20 AWG to 14 AWG
- Built in Lead Wire Stripper / Cutter
DIN Rail

- Space saving
- Reduces labor
- Altech DIN Rails comply with DIN EN60715, EN50022, EN50035, EN50045 standards
- 35mm, 32mm and 15mm versions
- 1m and 2m standard length
- Custom length available
- Perforated, unperforated

Marking Systems

- Compatible for terminal block markers and wire markers such as Altech Corp, Allen Bradley, Connectwell, Conta Clip, Entrelec, Weidmueller, Phoenix Contact, PTR, Wieland, Wago, Murrplastik, 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

908.806.9400 - www.altechcorp.com
PCB Terminal Blocks

Broad Selection and Styles

Screw Clamp PCB Terminal Blocks

Fixed PCB Terminal Blocks

- Metric (mm) and US (inch) pin spacing
- 3.50mm to 20.32mm pitch
- Ratings up to 125A
- Single, Double, Triple Level versions
- Different clamping styles: Wire Protector & Cage Clamp & Push-In
- Open and closed clamping space
- Vertical/ horizontal types
- Angled versions for easy wire access
- Modular configuration for faster availability
- Various colors for easy wire identification
- Custom Imprints

PCB Plugs & Headers

- Metric (mm) and US (inch) pin spacing
- 3.50mm to 7.62mm
- Ratings up to 15A
- Vertical/ horizontal Plugs/ Headers
- Screw Clamp & Push-In Type connections
- Screw Flange versions for secure connection
- Double Level Headers
- Multi Connection Plugs
- Inverted Plug/ Header combinations
- Test connection for measurement and test purposes
- Coding Accessories for fail-proof connection
- Many color options
- Custom Marking options
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 / 7.50 / 11.50mm pin spacing
- 20A / 35A current rating
- 300V
- Vertical / horizontal

**TENSION SPRING TERMINALS**
- 2.50 / 2.54 / 5.00 / 5.08 / 7.50 / 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
Industrial Enclosures

**GEOS**

**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

---

**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

**Hinged Door Models**

- Can be opened quickly and easily and closed safely
- Good operability of components
- No restrictions for the assembly of internal fittings

---

**Enclosure Size Range:**

- 12.4 x 11.8 x 6.1 in to 12.4 x 29.5 x 6.1 in

**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

---

**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

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**Accessories available including air ventilation element for use in other enclosures.**

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**DLG focus test: Ammonia resistance**

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**UL TYPE 3R, 12, 12K**

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**Winner**

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**908.806.9400 - www.altechcorp.com**
**Industrial Enclosures**

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

**TK SERIES**
- 18 different enclosures with up to 3 different cover heights
- IP66 (UL Type 4X); polycarbonate models only
- Polystyrene or Polycarbonate
- Gray or tinted transparent covers
- Smooth sidewalls or sidewalls with knockouts
- Multiple mounting options
- Tongue and groove with polyurethane gasket (CFC free)
- Non flammable and halogen free

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

**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

**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

**84 x 82 x 55 to 302 x 232 x 110 mm**
3.31 x 3.23 x 2.17 to 11.89 x 9.13 x 4.33 in

- **HF - EMC models available**

908.806.9400 - www.altechcorp.com
Industrial Enclosures

AL 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

AKL SERIES
- Knockout patterns are on the inside
- Up to IP65 protection
- Corrosion and maintenance free
- Polystyrene or Polycarbonate base and cover
- Polycarbonate transparent covers
- Integral seals
- Halogen free
- High mechanical strength

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

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

Find your enclosure at altechcorp.com/Enclosures
Cord Grips
- 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 Rail Mount Electronic Enclosures
- DIN Rail or optional panel mount
- 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
- In-Rail Bus System
- Custom imprints, markings and cut outs available
Power Distribution Blocks

1 & 3 Phase

- For use with copper and aluminum cable (solid / stranded)
- 600V AC/DC
- 80A – 310A current ratings
- 6 – 11 outputs
- DIN Rail or Panel Mount
- Accessories increase the number of outputs with only one input (for specific models)
- No caps to open or remove
- Housing: Polyamide

UL1953 Power Distribution Blocks

- Selectable Phase Identification
- Color Marking Plates
- Simple and Secure DIN Mounting Clip
- Incoming Cable Safety Slide
- Connection Clip for multi-pole applications

Power Distribution Block for Solar Systems

- A perfect solution for Solar Combiner Box Applications
- PDB400A has Solar Industry ratings
- 1500 V UL approval and a maximum current of 800 A for aluminum and copper wires
- 24 Inputs
- Easy and quick mounting

Compact Hybrid Distribution

- Hybrid Distribution Terminal Block
- Screw input (115A)
- 4 spring clamp outputs (4 x 41A)
- Modular system
- Standard slot & hex screw versions
- Expandable with standard CX Series jumpers and terminal blocks
- Easy Installation

APPLICATIONS
- Miniature Circuit Breaker (MCB) distribution
- Limited space distribution

MCB Distribution Example

Hybrid Terminal Block

UL Approved 1500V AC/DC
European Fuses & Photovoltaic Fuses

- 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

Industrial Fuse Holders

- Crossable with many brands
- IEC and VDE electrical ratings
- Complete line of accessories

1 - Space for finger to open fuse carrier
2 - Complete protection against touch according to IP20.
3 - All contact surfaces are silver plated
4 - LED indicator is available for all sizes. The LED blinks after the fuse-link opens.
5 - Modular Design. It is easy to assemble multi-pole versions.
6 - Possibility of sealing in ON or OFF positions. (Security sealer not included)

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

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

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

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
Optional blown fuse indication

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

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

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Push Buttons - 22 & 30 mm

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

Solutions for your applications
Safety and Reliability
High Performance
Extensive Range
Save Time

Enclosures
Polycarbonate • Aluminum

E-Stops
E-STOPS • LOCKOUTS • STOP SWITCHES

908.806.9400 - www.altechcorp.com
Motor Contactors, Overload Relays & Manual Motor Starters

**PC Series Contactors**
- Minimum size & Maximum performance
- Ambient temperatures – 40°C up to + 90°C
- Designed for the operation under extreme conditions
- Bounce free, self cleaning aux. contacts, suitable for switching electronic circuits => highest contact reliability
- Adjustable Overload Relays from 0.18A to 85A

**C Series Contactors**
- Compact Modular Design offering flexibility & space savings
- Low Power Consumption Coils provide energy savings and allow down sizing
- Finger Safe IEC rated IP20 terminals
- Built in Auxiliary Contact one NO standard
- Protective Security Cover prevents accidental manual operation

**MC Series Contactors**
- 8 Frame Sizes
- 1/2HP up to 600HP @ 600V AC
- Reversing Wiring Sets and Interlocks
- Direct Wiring Adapters for MMS
- Coil Surge Suppressors

**AC-3 Amperage Rating**
- 9A to 150A
- 9A to 115A
- 10A to 115A
- 20A to 210A
- 25A to 200A
- 25A to 200A
- 25A to 200A
- 25A to 210A
- 9A to 800A
- 9A to 1,000A
- 9A to 800A
- 9A to 800A
- 9A to 1,000A

**AC-1 Amperage Rating**
- 20A to 1,000A
- 25A to 200A
- 25A to 210A
- 25A to 210A
- 25A to 200A
- 25A to 200A
- 25A to 200A
- 25A to 200A

**Coil Voltage**
- 24VAC, 24VDC, 110-120VAC & 200-240VAC
- 24VAC, 24VDC, 120VAC, 208VAC, 230VAC & 480VAC
- 24VAC, 24VDC, 120VAC, 208VAC, 230VAC & 480VAC

**Horsepower (@3x230VAC)**
- 3 to 50hp
- 3 to 40hp
- 3 to 40hp
- 3 to 50hp

**Manual Motor Starters**
- DIN Rail and Screw Mounting
- Lockable Handle in OFF position
- Finger safe terminals
- Class 10 thermal Overload protection
- Trip test feature
- Phase failure protection
- Adjustable thermal release
- Type F combination Manual Motor Controller (with MC-Series Contactor)
- Wide range of common accessories
DIN Rail Power Supplies

FLEX Power Supplies

Up to 150% Power Boost for 3 Minutes ... the longest time in the industry

More flexibility in input voltage

The FLEX line of power supplies are suitable to a wide range of input voltage. With a single type it is therefore possible to meet the requirements of more applications and consequently improve design activity and stock management.

Large Range of 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

- Fully automated charging
- Three charging modes
- Compact, rugged metal case
- Available in 12VDC and 24VDC
- Suitable for most common battery types
- Adjustable charging current
- Easy battery diagnosis and fault identification either by LED or external devices connected to fault status contacts
- High efficiency up to 91% through switching technology
- Several output protection features such as short circuit, overload, deep battery discharge etc.
- DIN rail mounting
- Small size
- 3 year warranty
DC-UPS

All-In-One

4 in 1 SOLUTION

Operates with many batteries
- Lead Acid
- Sealed Lead Acid
- GEL
- AGM
- Li-Ion

ONLY 4 in 1: Power Supply / Battery Charger / Battery Care Module / Backup Module

ONLY DIN Rail DC-UPS solution on the market built in one single device

ONLY Wide Selection of 12, 24 and 48V DC-UPS on the market with UL Recognition

UL Recognized DC-UPS

12 or 24 of 48 V DC

- Wide voltage range including a 12V; 24V and 48V DC options.
- Wide temperature range available from -40°C up to +80°C and RH up to 90%.
- Input voltage is a truly universal, starting with 96V AC and up to 305V AC.

(Any product built with using this DC UPS system can operate worldwide without any additional settings)

- Unique Power Boost 2x Nominal current for 4 minutes and 3x Nominal Current for 4 sec.
- Complies with all North American and European standards including UL60950.

Ultra-Capacitor
No Battery Required

C-TEC Series
- Operating temperature range -40°C to +65°C
- Higher energy vs. electrolytic capacitors
- Up to 10,000 Ws energy plus extension mods
- 12 or 24V system design
- Customized systems up to 600A
- Higher power vs. batteries
- Resists shock and vibration

AKKUTEC Series
- Battery monitoring and testing
- Works primarily in an online parallel configuration
- Controlled shut down functions
- Micro-controller battery management
- Several operating modes
- Protection against wrong battery polarization
- Deep discharge protection

Environmentally safe
No toxic chemicals
Virtually maintenance free

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Safety Switches

- Keyed Safety Switches
- Solenoid Locking Safety Switches
- New RFID Non Contact Safety Switches
- Hinged Door Safety Switches
- Safety Limit Switches
- Safety Rope Pull Switches

The SMART Safety System offers plug in convenience allowing up to 32 switches to be run in series. The system features redundant cascading OSSD outputs which eliminates the possibility of fault masking (TR24119) and offers superior diagnostics and communication via IO-Link, NFC or PLC.

Plug-in Series Safety with OSSD Outputs
IO-Link Compatible; PLC & NFC Diagnostics

The SMART Non-contact Safety Sensor SRF
With an innovative diagnostic system

- Very compact: small in size, flexible in use
- Very Smart: suitable for Industry 4.0 with its intelligent diagnostic system
- Cost Saving: four-wire unshielded standard connection cable from sensor to sensor
- Very Safe: up to PL e – even in series connection with high defeat protection

Diagnostics on computer or smartphone

Daisy Chain Diagnostic System
Sensors

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

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

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

Sensor & Actuator Cables and Connectors
- Female Connector to Flying Lead
- Female and Male versions
- Straight and Angled Connectors
- PVC & PUR Cable
- 1, 2, 5, 10m standard cable length
- Front/ Rear Mount connectors
- Screw & Solder Connection
- A Coding

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Safety Relays
- Feature forced-guided contacts
- Broadest 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

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

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

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

Solid State Relays

Miniature Solid State Relays (SSR)
- Optically isolated relays
- AC or DC load output up to 4A
- 5-24 VDC input circuit
- Low on-state resistance
- Low input power consumption
- TTL and CMOS compatible
- RC networks (V AC)
- MOSFET output thyristor (V DC)
- PCB or Socket mounting

Slimline Solid State Relay Modules
- Screw clamp terminals
- Spring clamp terminals
- Slim Socket width is 6.2mm
- LED indication
- 5V DC - 240 VAC/DC input circuit
- Multicolor jumpers available
- Din Rail mounting
- UL recognized
Digital Timers

Universal Digital Multi-Timer
- Multifunctional Timer (8 or 18 Functions)
- Universal Voltage 24-265 VAC/ DC
- Wide Time Range: 0.1s ~ 999h
- 3 Digit LCD Display for Preset Time and Run Time
- DIN Rail Mounted
- 17.5mm Width

Programmable Panel-Mount Digital Multi-Timer
- 33 Built-in Timing Functions
- Supply Voltage 110-240 VAC
- 7 Segment Digital LED Display
- 2 Separate Output Channels
- Wide Timing Range 0.1s - 999 days
- Compact Design
- Panel & DIN rail (11-pin socket) mount

Universal Multi-Timer
- Multifunctional Timer (10 Functions)
- Asymmetric Timer (2 Functions)
- Universal Voltage 12-265V AC/ DC
- Wide Time Range: 0.1s ~ 100h
- LED Indicator for Power and Relay Status
- DIN Rail Mounted
- 17.5mm Width

Digital Time Switch
- 25 ON/ OFF Programs
- LCD Display for Time and Program Information
- Various Supply voltages
- Settable Daylight Savings Time
- Keypad Lockable
- Simple Manual Override
- 12/ 24h time format
- DIN Rail Mount

Smart Relays
- Supports up to 48 I/Os
  (32 digital inputs & 16 digital outputs)
- DST Feature Available
- Backlit LCD Screen for display & modification of preselected 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

Starter Kits

Programming Features
- 250 lines of ladder programming
- 16 soft text messages, Time Switches, Compare Counters, Timers, Counters & 12 analog functions

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

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

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)
Foot Switches

Industrial
- Several quality series
- Various pedal configurations
- Covers available for certain models
- Internationally approved
- Sturdy design of die cast aluminum housing
- Exceptional value for harsh environments
- Customized with nameplates, imprints, cord sets, connectors and strain reliefs.

Medical
- 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
- 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

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Test & Measurement

- Clamp-Type Test Probes
  Measuring voltage quickly and easily

- Alligator Clips
  Large jaws that pack a punch

- Test Probes
  The right probe pressure for manual fieldwork and in electronics

- Oscilloscope Probes
  High-frequency Measurement

- Sockets
  Wherever a safe plug-in connection is required

- Measuring Leads
  Robust, flexible, long-lasting

- Plugs
  Used everywhere in industrial research and development

Sets

Panel Filters
- Mount Quickly and Easily
- Low external Profile
- UV & Heat resisting Housing material
- Black or Grey Housing Color
- Filtering Class: G3 according to EN779
- Filtration Efficiency: 85% (DIN24185)
- Filter Mat included

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

Single Unit - 5 colors:
White | Red | Blue | Yellow | Green

One unit can light up in 5 different colors. Or Single color unit is also available (24V only).

Multi-Color LED Light

- Flashing and normal LED mode available in same module
- 90 dB Buzzer
- Multi-function LED signal tower
- Continuous mode or flashing mode
- M22x1.5 mm mounting option
- UV stabilized plastic housing
- Direct mounting on the cabinet
- Pole mounted for better viability
- 1m cable included

LED Panel Lights

- Long life
- Energy efficient LED technology
- Magnet of Screw mounting
- Daisy chaining (up to 10 lights)
- Maintenance-free
- On/off switch or motion sensor
- Side Voltage Range (AC or DC)
- Integrate power unit

Signaling Devices

- Fireproof plastic body
- Polycarbonate lens
- Surface mount
- Water resistant
- Dust proof
- UV resistant
- LED design, no mechanical parts
- Long life
- 8 Different signal variations

Wire Duct

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

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