

# Altech Corp.®

*Your Source for Automation & Control Components*



ISO 9001  
QMI-SAI Global



PREVIEW

PRODUCT

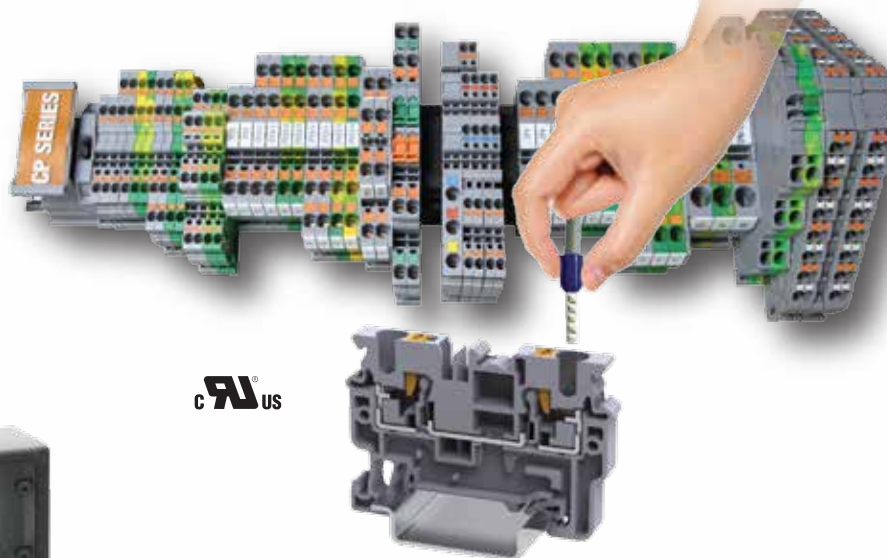


# NEW Altech® Products

## 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



cUL US



## 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



cUL US

cUL EU

CE

PROTECTION IP67



KU363N

## DC Motor Disconnects Switches

- KU363N
  - 60A/48V DC (3 Pole in series)

DIN Rail Mountable

- PV 132 RT
  - 32A/48 V DC (1 Pole)
  - Door mounting kit available
  - Switching mechanism speed is independent from the operator

cUL US



PV 132 RT



## 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

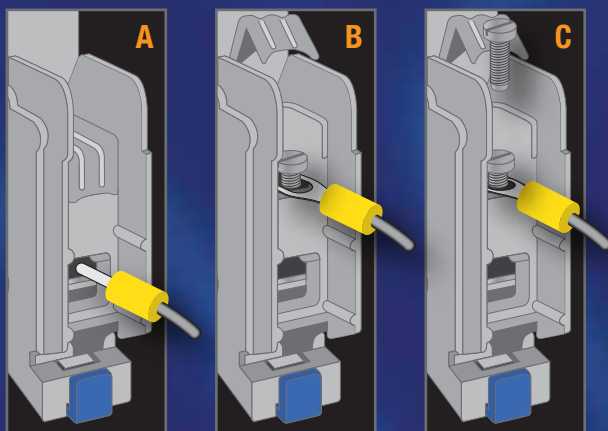
### Position switches IN73 and MN78

- 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.



**ESTIMATED  
AVAILABILITY  
FALL 2021**



# Table of Contents & Typical Application Chart

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

PAGES

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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

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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

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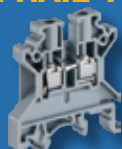
Alarm modules  
Home automation  
Meters  
Safety controllers  
Sensor controls (liquid level)  
Temperature controller  
Transducer

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)

10-14



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

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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

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Commercial  
Military  
Switchgear

Control panels  
Power distribution system  
Wind generation

General industrial  
Solar industry

## INDUSTRIAL ENCLOSURES

18-20



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

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Any enclosure application (terminal box, distribution box, etc.)  
Control enclosures  
Sensor applications  
Water treatment

Machine builders  
Solar

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

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## 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

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## 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  
Automated door controls  
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

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## RELAYS (Safety, Solid State, Relay Modules, Smart Relays, Industrial, Slimline)



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

**30**

## SAFETY & LIMIT SWITCHES



Agricultural equipment  
Elevators & escalators  
Machine tool  
Printing

Automotive  
Food processing  
Metal forming  
Robotics

Conveyor systems  
Injection molding  
Packaging  
Woodworking

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## SENSORS (Inductive, Metal Detection)



Agriculture  
Food industry  
Plastic industry

Automotive  
Military applications  
Recycling

Fish nursery  
Rail car manufacturer

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## TIMERS



Car washes  
Process control equipment

Consumer electronics  
Toll gates

Industrial equipment  
UL 508 A panel shops

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## 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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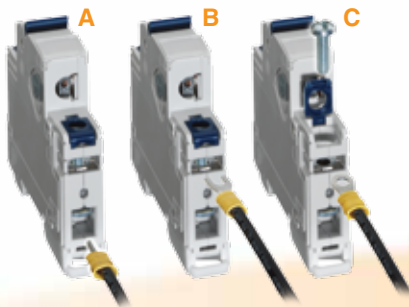
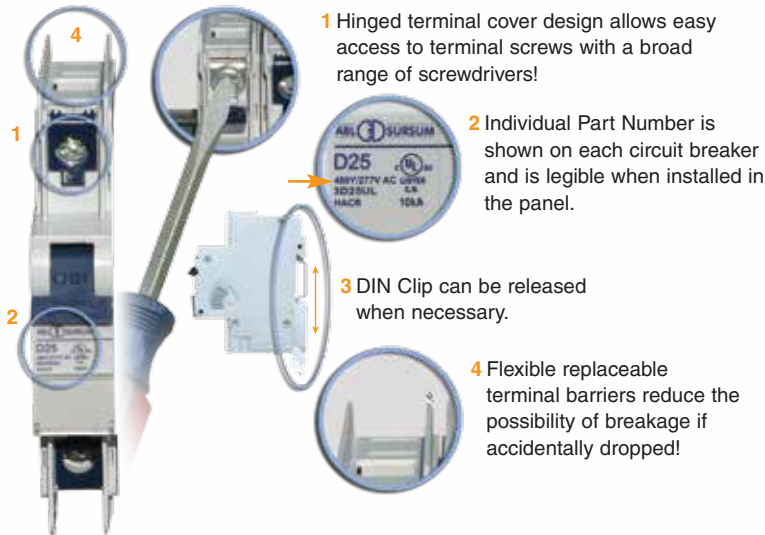
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# SUPERIOR Family of Circuit Protection

*An Industry  
Leader*

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



## Dual Connection 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.



**UL** **US**  
LISTED  
C.B.  
E329510

## UL489

### 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

**UL** **US**  
E511762

### 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

**UL** **US**  
E137915



## 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, (up to 63A)  
480Y/277V AC Ground Fault  
Sensing and Relaying Device  
(RCCB)**

- 2 and 4 Poles
- 277V AC and 480Y/277V AC
- Rated Current 25, 40 and 63A
- 10kA Short Circuit Withstand Capacity

## UL 1053

**GFR 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)
- 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 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

## 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/277VAC
- 0.2-63A / 125V DC (1 pole) / 250V DC (2 pole)
- Thermal Magnetic
- 10kA Short Circuit Interrupting Capacity
- Line/Load reversible



- 1 Strong terminal barriers
- 2 Strong thermoplastic housing
- 3 Spring action DIN Rail clips for both top and bottom
- 4 Removable circuit identification tag
- 5 Indicator window
- 6 Trip curve (D) and amperage (15A) window display



# UL Busbars

**SAVE SPACE,  
TIME &  
MONEY**



**UL508  
& UL1077**



**UL489**

**NEW  
UL489  
Cutttable**



[youtu.be/0ppmdmTzk0U](https://youtu.be/0ppmdmTzk0U)

**Watch this video to see the proof**



**NEW WAY TIME TRIAL 00:02:49**

- 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



**TR11**

## 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.



**TR20**



**TR30**





# Disconnect Switches Open or Enclosed

## UL98 60 A & 100 A Switches



Polycarbonate



Stainless



Sheet Metal

- 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



Optional clear blue touch protectors

## 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

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



### 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.



All Stainless Steel with slanted hood

### Aluminum

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



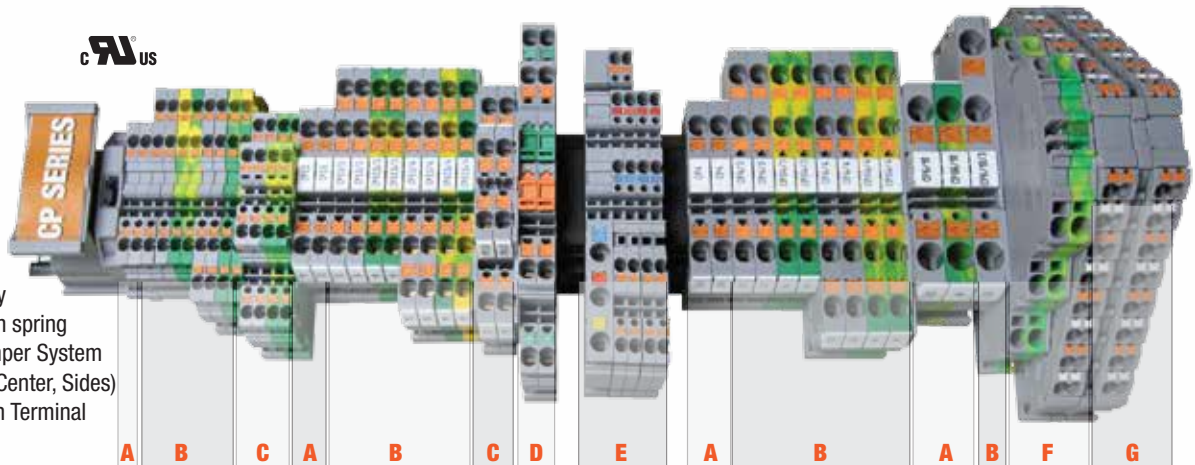
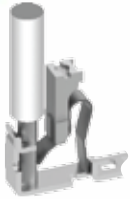
### Sheet Metal

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.

# 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

#### A Feed-Thru Terminals

- 3.5mm Terminal most compact in industry
- Up to 57A/ 8AWG
- Same profile Ground Blocks

#### B Multi-Connection Terminals

- 3 and 4 Connection Terminals
- Same profile Ground Blocks

#### C Double Level Terminals

- 3.5mm version (CPDL1.5)
- 5mm version (CPDL2.5)
- Ground Level versions (CPDLG1.5, CPDLG2.5)

#### D Disconnect Terminals

- Knife Disconnect
- Double Level Disconnects
- Shorting Levels separate or together
- Bottom level Feed-Thru version

#### E Sensor Terminals

- Extremely Compact 3.5mm width
- 3 or 4 wire sensor terminals (CPST1.5/x)
- Power Feed Terminal (CPPT2.5/x)
- Optional Grounding Point terminals
- Blue & Red color jumpers for clear circuit identification

#### F Triple Level Terminals

- 3 Levels for high density wiring
- Ground versions (CP3LG2.5, CP4LG2.5)

#### G Marshalling Terminal Block

- 32 total I/Os
- CP8L32: 8 Levels, 4 connections each
- CP8L32(I.S)H: 2 Potentials, 16 Connections each
- CP8L32(I.S): 32 Connections
- Test Point on each 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



#### A Side Entry Terminals

- 5mm and 6mm Feed-Thru
- Same profile Ground Blocks
- Universal Push-In Jumpers

#### B Feed-Thru Terminals

- Up to 85A
- Same profile Ground Blocks
- Plug-In Test plugs

#### C Multi-Connection Terminals

- 3 and 4 Connection Terminals
- Same profile Ground Blocks

#### D Multi-Level Terminals

- Double Level (CXDL2.5)
- Triple Level (ATL2.5)
- Built-in Electronic Components (CXDL2.5(E)xx)
- Ground Level versions (CXDLG2.5, ATLG2.5)

#### E Fuse Terminals

- 5x20mm fuse type (CXF4)
- Vertical Fuse Block (CXVFXx)
- Auto Fuse Type (CXAF4/3)

#### F Plug-In Component Carrier

- Fuse Plug 5x20mm (CPF)
- Diode Plug (CPD)
- Flexible Plug options

#### G Disconnect Terminals

- Knife Disconnect
- 5mm, 6mm version
- 2 or 4 connections

#### H Pluggable Feed-Thru Terminals

- Stackable Terminal Plug (CX2.5PN)
- Pluggable Wire to DIN Rail
- Pluggable Wire to Wire
- Various bases: (2, 3, 4 connections, double level)

#### I Hybrid Distribution Block

- Screw Input (115A)
- 4 Spring/ Cage Clamp Outputs (4x41A)
- Modular system
- Expandable with standard CX6 Terminals and JX6 jumpers



# 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

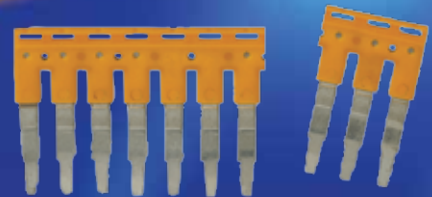
- CYDL-Series
- Many various design options
- Up to 60% space saving
- Top Level: Fuse, disconnect or Feed-thru
- Mid Level: Feed-Thru
- Bottom Level: Ground (optional)



Snap-On  
Ground  
Block

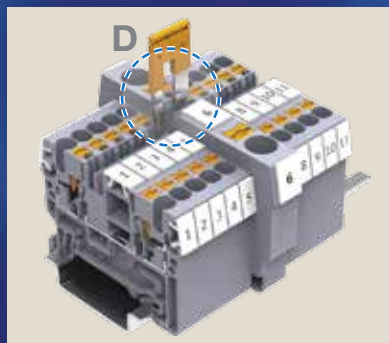
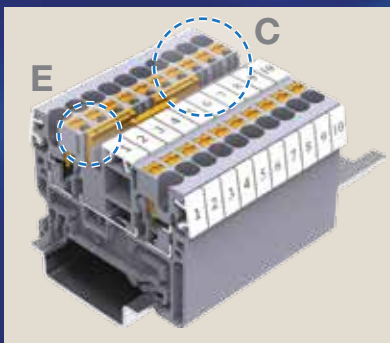
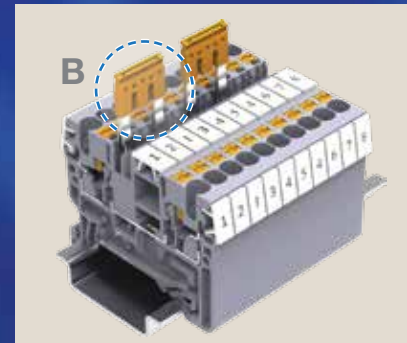
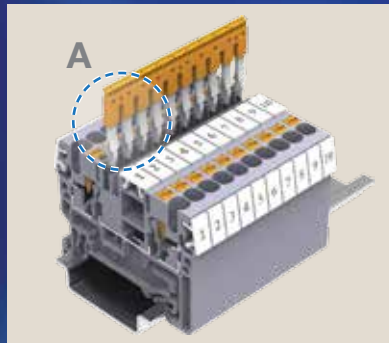
## Universal Push-In Jumper Technology

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

# DIN Rail Terminal Blocks

## CT Series

Screw Clamp Terminal Blocks with Traditional Screw Jumper System



ALUS

### 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 (CDL4UN)
- Offset version (ODL4U)
- Triple Level (CTL2.5U)
- Sensor Terminals with LED
- Built-in Electronic Components (CDL4U(E)xx)
- Ground Level versions (CDLGxx, CTLG2.5)

#### Fuse Terminals

- 5x20mm fuse type (CF4U, CF4SP)
- Double Level (DDFL4U)
- 1/4 x 1 1/4 (CAFL4U)
- LED Indicator

#### F Disconnect Terminals

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

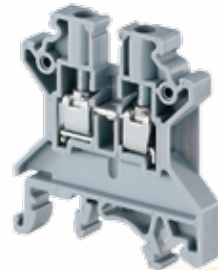
#### G Thermocouple Terminals

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

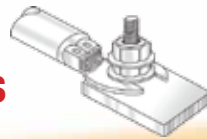
#### H Tab Connection Terminals

- Standard "Quick-Connect" Tabs

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



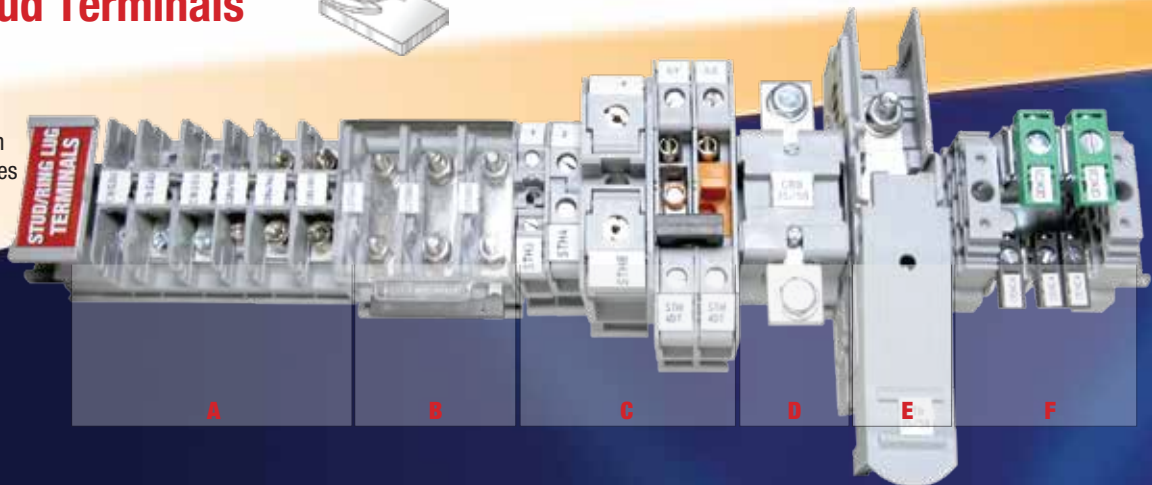
## Ring Lug & Stud Terminals



### FEATURES

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

ALUS



#### 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

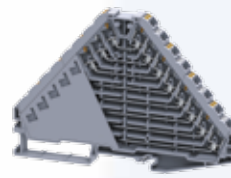
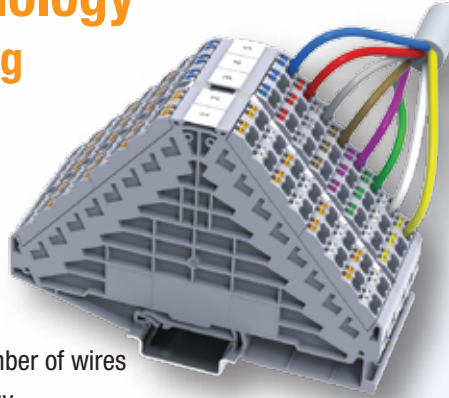


# DIN Rail Terminal Blocks & More

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

### SPACE & TIME SAVING

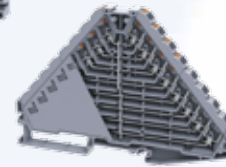
- Organized wiring of large number of wires
- Push-In connection Technology
- Test point on each terminal
- Marking options to organize wiring
- Over 1000 connections per foot



CP8L32



CP8L32(I.S)



CP8L32(I.S)H

CP8L32

8-Level Marshalling Terminal Block with 8x4 Connections each

CP8L32(I.S)

Potential Distribution Terminal Block with 32 connections

CP8L32(I.S)H

Potential Distribution Terminal Block with 2x16 connections



## 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



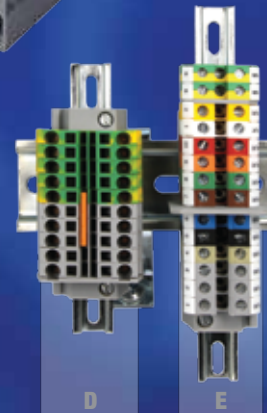
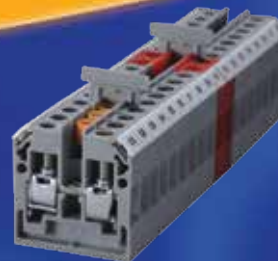
A



B



C



D



E



F

#### 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
- DIN Rail option

#### 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 (CXM62.5)
- Push-In Jumper System

#### E 15mm Mini Rail Screw Terminal

- Feed-thru Terminal (CMT4)
- Ground Terminal (CGMT4)

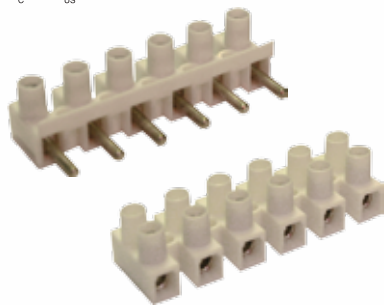
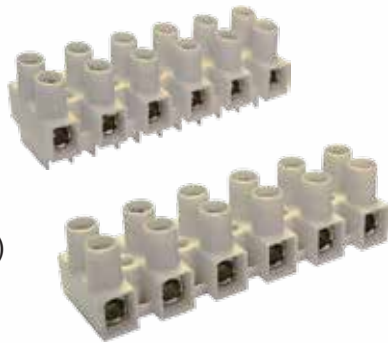
#### F Ceramic Terminal Block

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

# 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

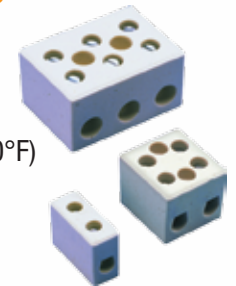


## Ceramic Blocks Euroblock™ Style

HIGH  
Temperature

- 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



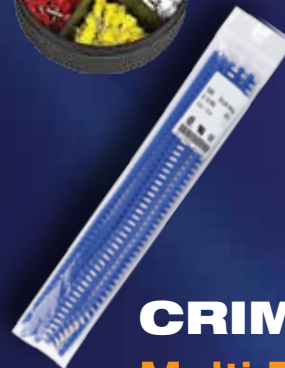
## DIN Rail & Accessories

- 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 14AWG
- 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

Easy mounting of terminal blocks, power supplies and other control components and devices.

**32 x 7.5 mm**

Zinc-plated steel,  
Stainless or  
Aluminum

**35 x 15 mm**

Zinc-plated steel

**32 x 15 mm**

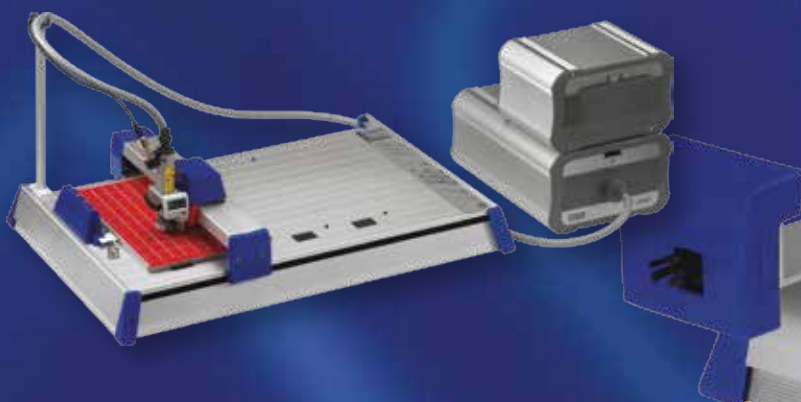
Zinc-plated steel

**15 x 5.5 mm**

Zinc-plated steel

## 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



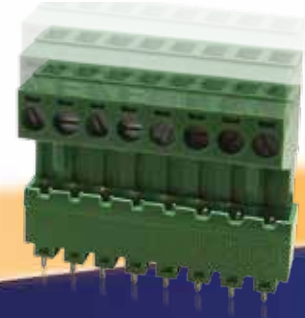
# PCB Terminal Blocks

## *Broad Selection and Styles*

### Screw Clamp PCB Terminal Blocks

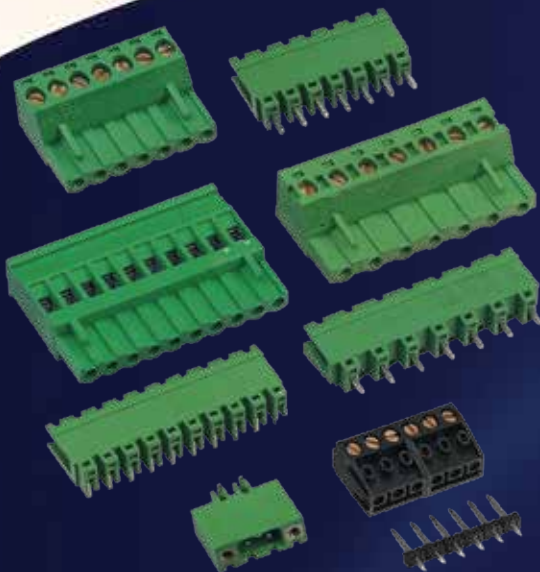
#### Fixed PCB Terminal Blocks

- 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



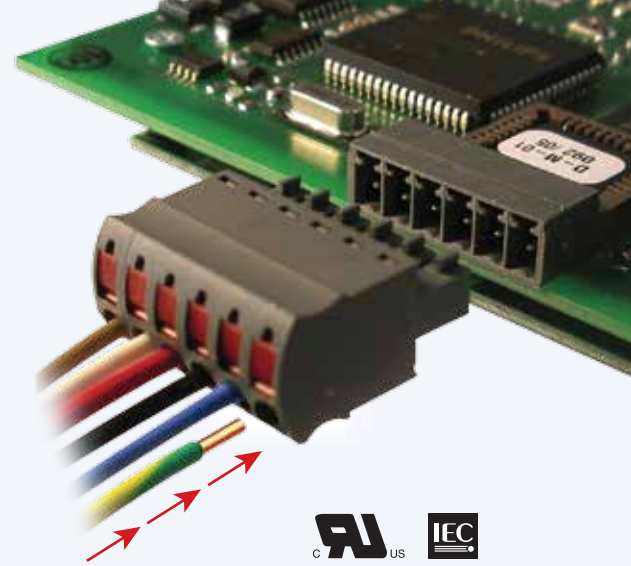


# Spring Clamp & Push-In PCB Terminal Blocks



## 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



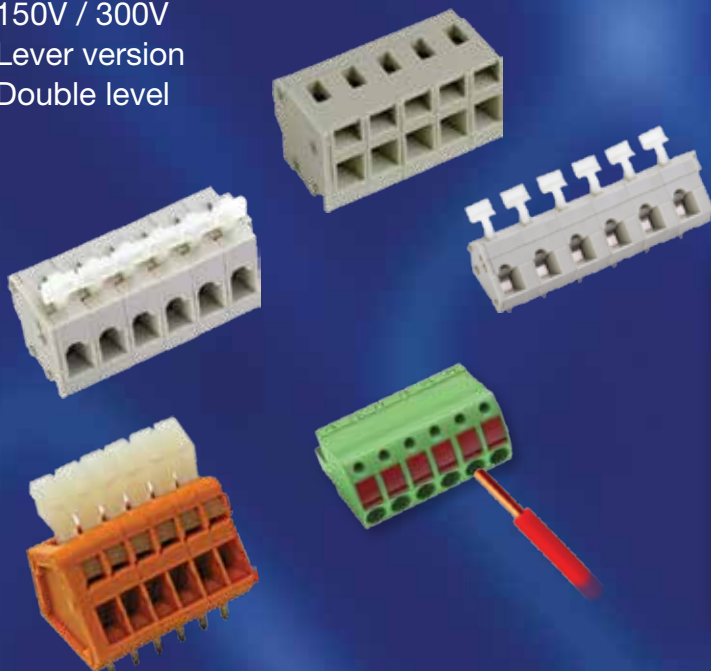
## PCB POWER TERMINALS PUSH-IN

- 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

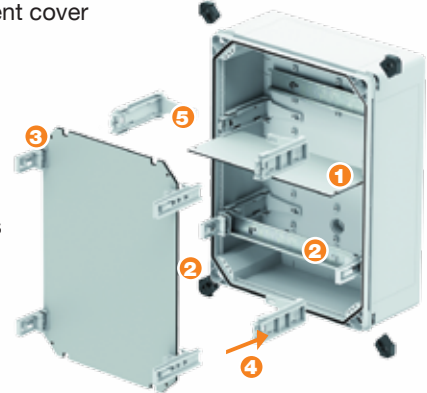
Drain Protect seal system  
Air ventilation element option  
High protection rating IP67  
Insulated protection



- 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



### Hinged Door Models

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



Patent No.  
WO 2015/063057 A1

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



E251144  
UL TYPE 3R, 12, 12K

### 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



# AKIII

## 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





# Industrial Enclosures



50 x 52 x 35 to 360 x 254 x 165 mm  
1.97 x 2.05 x 1.38 to 14.2 x 10.0 x 6.50 in

## 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

**HF - EMC  
models  
available**



## TG SERIES

**Custom  
Assemblies  
& Printing**

- 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



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

**Protect  
Components**



**Corrosion &  
maintenance  
free**

## 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

75 x 75 x 42 to 199 x 149 x 70 mm  
2.95 x 2.95 x 1.65 to 7.83 x 5.87 x 3.03 in

## 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

## ABOX-i SERIES

**Ideal for  
harsh  
environments**

- 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



80 x 80 x 52 to 250 x 250 x 115 mm  
3.15 x 3.15 x 2.05 to 9.84 x 9.84 x 4.53 in

# Industrial Enclosures



50 x 45 x 30 to 388 x 270 x 117 mm  
1.97 x 1.77 x 1.18 to 15.28 x 10.63 x 4.61 in

## AL SERIES

Protect  
from weather  
& corrosion



- 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

Metric  
Knockouts

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

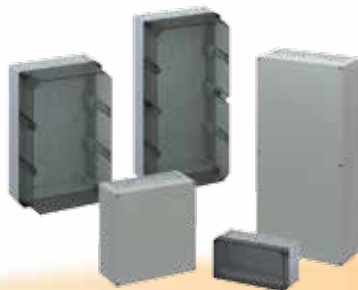


130 x 94 x 80 to 361 x 254 x 110 mm  
5.12 x 3.70 x 3.15 to 14.21 x 10.0 x 4.33 in

Smooth  
exterior  
walls

## 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



150 x 300 x 132 to 600 x 300 x 210 mm  
5.91 x 11.81 x 5.20 to 23.62 x 11.81 x 8.27 in

## 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



94 x 94 x 81 to 180 x 94 x 81 mm  
3.70 x 3.70 x 3.19 to 7.09 x 3.70 x 3.19 in

## 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

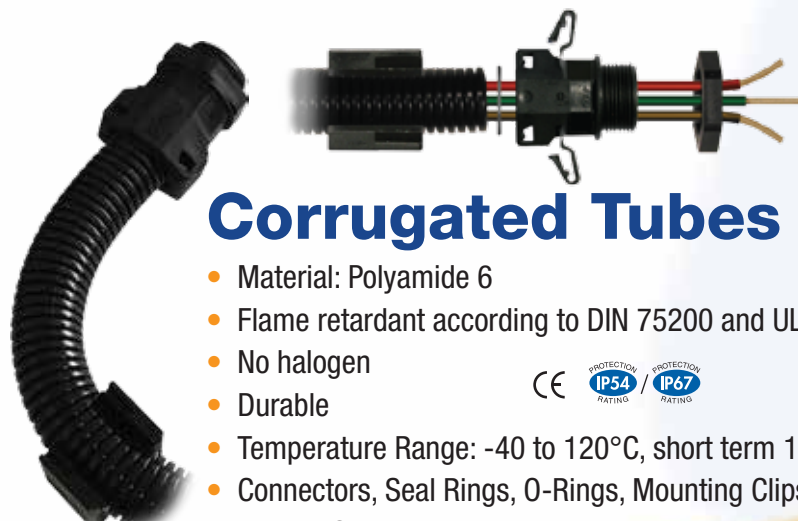
Find your enclosure at  
[altechcorp.com/Enclosures](http://altechcorp.com/Enclosures)

**Altech**  
ENCLOSURE  
FINDER



# 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

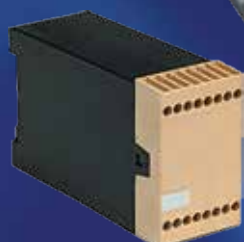


## Corrugated Tubes

- 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

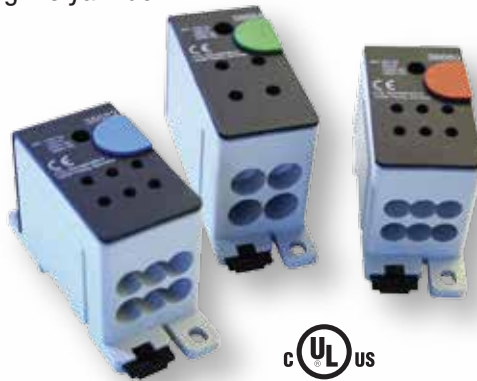


# Power Distribution Blocks

## 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

**IP20 Finger Safe**  
**Quick mounting**  
**and wiring**



## 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



**UL Approved**  
**1500V AC/DC**



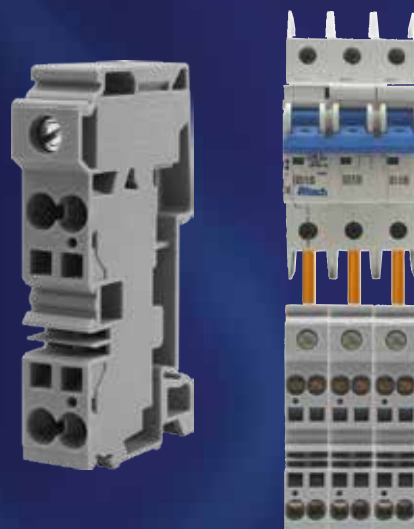
## Compact Hybrid Distribution

- Hybrid Distribution Terminal Block
- Screw input (115A)
- 4 spring clamp outputs (4 x41A)
- 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



**Hybrid**  
**Terminal**  
**Block**

MCB Distribution Example



# Industrial Fuse Holders

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



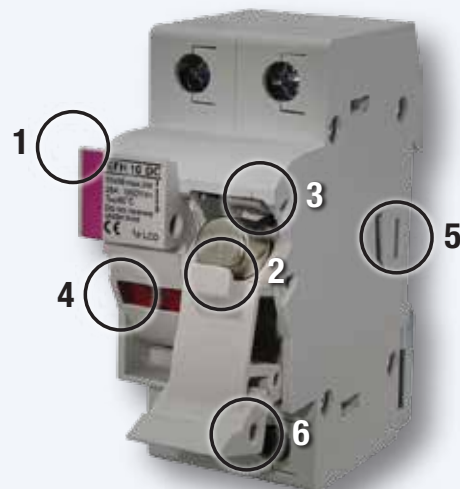
1 - Space for finger to open fuse carrier



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)

**200A SCR Rating**

## 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

# 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

**1000V DC**



**Diazed**



**Miniature**



**Neozed**



**Cylinder**



**NH Knife Blade**



**Square Body**



**High Voltage**



**Accessories**

# 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.



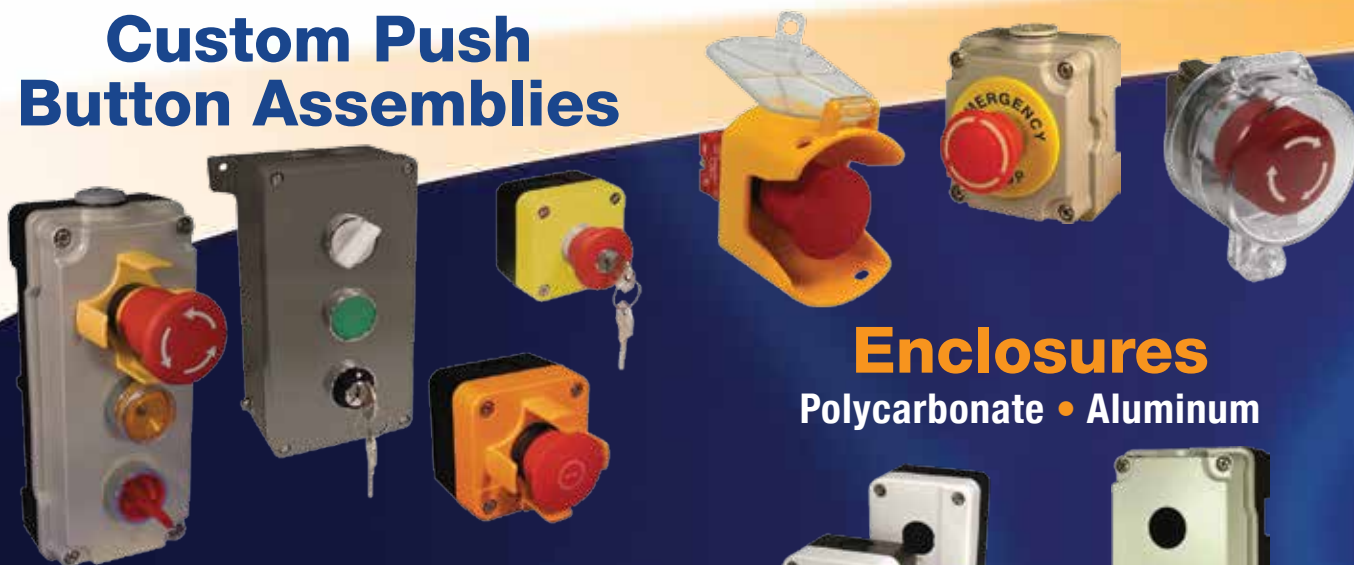
- Metallic Push Buttons, Selector Switches and LED Pilot Lights
- Designs include Operators, Pilot Lights, Modular Contact Blocks and Bulb Holders
- Push Button Stations
- Wide range of accessories
- Plastic models available
- LED Indicating Devices
- Pilot Lights
- Push Button Enclosures



## E-Stops

E-STOPS • LOCKOUTS • STOP SWITCHES

## Custom Push Button Assemblies



## Enclosures

Polycarbonate • Aluminum

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





# 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



AC-3 Amperage Rating	10A to 115A
AC-1 Amperage Rating	25A to 200A
Coil Voltage	24VAC, 24VDC, 110-120VAC & 200-240VAC
Horsepower (@3x230VAC)	3 to 40hp



## 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



AC-3 Amperage Rating	9A to 800A
AC-1 Amperage Rating	20A to 1,000A
Coil Voltage	24VAC, 24VDC, 120VAC, 208VAC, 230VAC & 480VAC
Horsepower (@3x230VAC)	2 to 300hp

## 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
AC-1 Amperage Rating	25A to 210A
Coil Voltage	24VAC, 24VDC, 120VAC, 208VAC, 230VAC & 480VAC
Horsepower (@3x230VAC)	3 to 50hp

## Popular Applications

- Motor Control
- Pumps
- Machine Tools
- Printing Machines
- Packaging Machines
- Compressors
- HVAC
- Cranes
- Elevators & Escalators

## 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



**UL508  
Type E**

# 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.



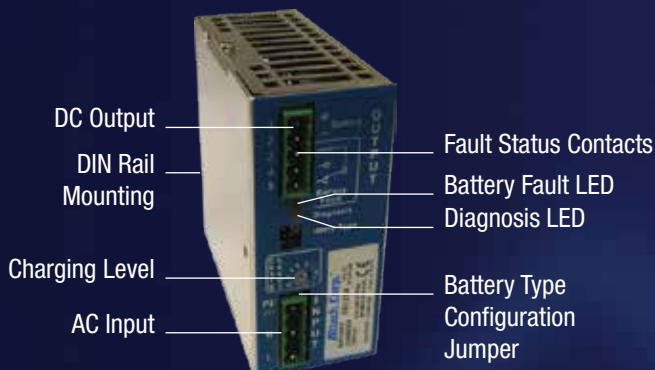
## Large Range of Power Supplies

- 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 or 48 V DC

- Wide voltage range including a 12V ; 24V and 48V DC options.
- Wide temperature range available from -40C up to +80C 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 world wide 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.

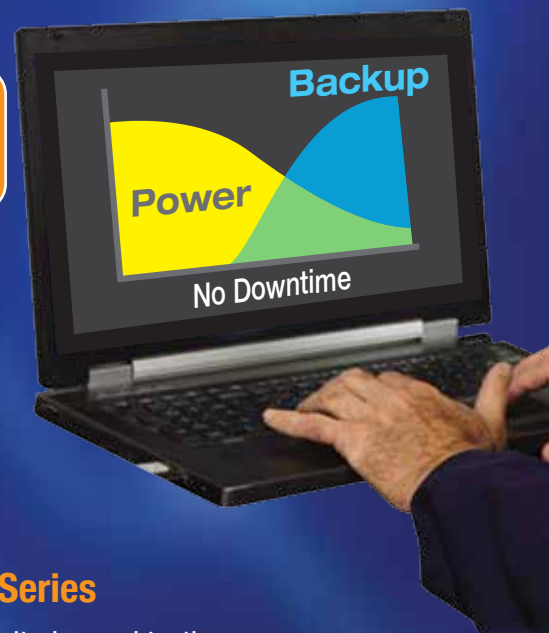


## Ultra-Capacitor No Battery Required

### 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

Environmentally safe  
No toxic chemicals  
Virtually maintenance free



### 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



# 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



Solenoid Locking



Keyed Safety Interlock Switches



Hinged Safety Switches



Safety Limit 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.

Emergency Stop Buttons



Safety Monitoring, Diagnostics & IO Link Module



RFID Non-Contact Sensors



**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



Diagnostics on computer or smartphone



Daisy Chain 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



# Sensors

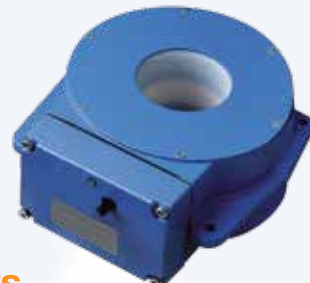
## Inductive Proximity Sensors

- 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



## Flat Pack Sensors

- High Sensitivity
- Metal Detection & Localization
- Custom Dimensions and Solutions



## Ring Sensors

- Various Sizes
- Various Diameters
- High Sensitivity
- Ultra High Sensitivity



## Tunnel Sensors

- High Sensitivity
- Custom Sizes
- Various Control Options

## 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



## M8 & M12

Custom Cable Lengths Available

## Molded Sensor & Actuator Cable Assemblies

Angled Connector



Straight Connector



## Field-Wired Connectors

Straight Connector



Angled Connector







## Front/ Rear Panel-Mount Connectors





# Relays

## 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



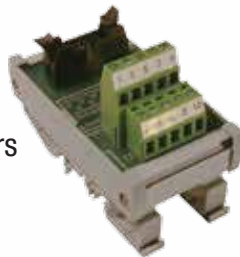
## Industrial Relays

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



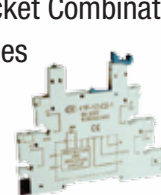
## Relays Modules

- 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

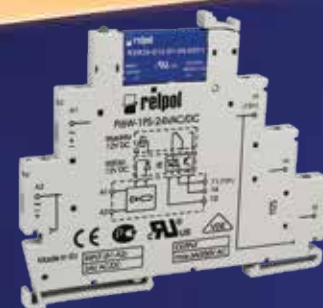
## Miniature Solid State Relays (SSR)

- 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



## 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

## 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



## 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

# 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



Customization is 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



# Test & Measurement



- **Alligator Clips**  
Large jaws that pack a punch



- **Clamp-Type Test Probes**  
Measuring voltage quickly and easily



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



- **Oscilloscope Probes**  
High-frequency Measurement



- **Measuring Leads**  
Robust, flexible, long-lasting



- **Sockets**  
Wherever a safe plug-in connection is required

- **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

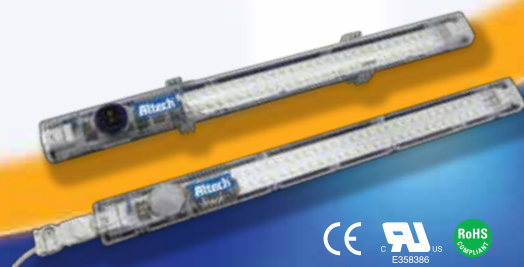
One unit can light up in 5 different colors.  
Or Single color unit is also available (24V only).

# 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



**NEW**



## Multi-Color LED Light

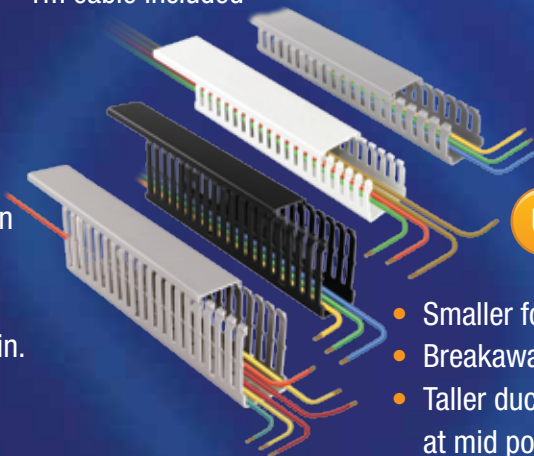
- Flashing and normal LED mode available in same module
- 90 dB Buzzer • Multi-function LED signal tower
- Continuous mode or flashing mode
- M22x1.5 mm mounting option
- UV stabilized plastic housing
- Direct mounting on the cabinet
- Pole mounted for better viability • 1m cable included

PROTECTION  
**IP65**

Indoor / Outdoor

## 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 and black available
- Covers shipped complete with wire duct



**Updated Design**

- Smaller footprint for better fit in panels
- Breakaway sidewall feature added
- Taller ducts have wire separation points at mid point of sidewall fingers for better wire management

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## WEB TOOLS

## PRODUCTS

- ATEX
- Circuit Protection
- Connectors
- Contactors
- Digital Panel Meters
- DIN Rail Terminal Blocks
- Disconnect Switches
- Enclosures
- Foot Switches
- Interface Modules
- Panel Accessories
- Power Supplies
- PCB Connections
- Process Controllers
- Programmable Controllers
- Push Buttons
- Relays
- Sensors
- Safety Switches

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## Altech® SUPERIOR Circuit Protection

### UL489 • UL508 • UL1077

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

DIN RAIL MOUNT • 17.5 W per pole

- 10kA Short Circuit Withstand Capacity
- Thermal Magnetic
- Positive Trip Indicator

Miniature Molded Case Circuit Breakers  
Listed Manual Motor Controllers  
Recognized Supplementary Protectors



Circuit  
Protection  
Devices



Busbar  
& Power  
Distribution



Contactors,  
Overload  
Relays, Manual  
Motor Starters



Motor  
Disconnect  
Switches

## CONNECTORS



Pin & Sleeve  
Devices

## FOOT SWITCHES



Industrial

## PANEL ACCESSORIES



Panel Lights

## POWER DEVICES



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Altech Corporation  
35 Royal Road  
Flemington, NJ 08822-6000  
P 908.806.9400 • F 908.806.9490  
www.altechcorp.com

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