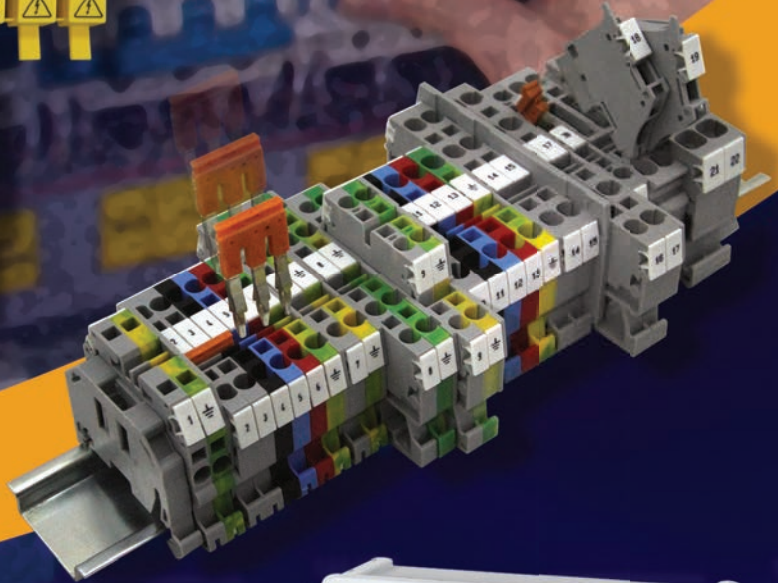
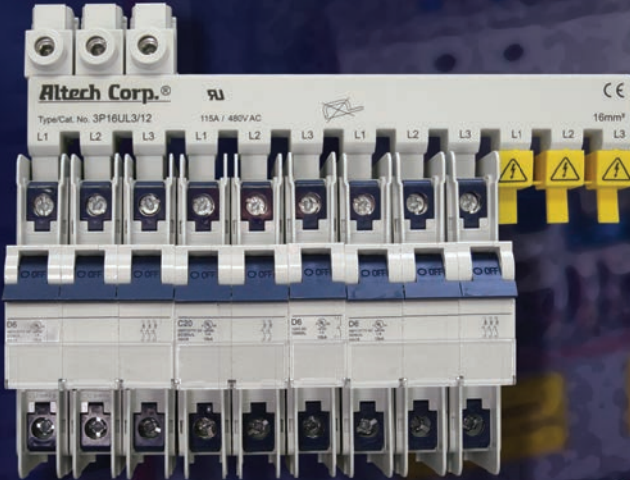


Altech Corp.®

Your Source for Automation & Control Components



ISO 9001
QMI-SAI Global



PRODUCT PREVIEW
altechcorp.com



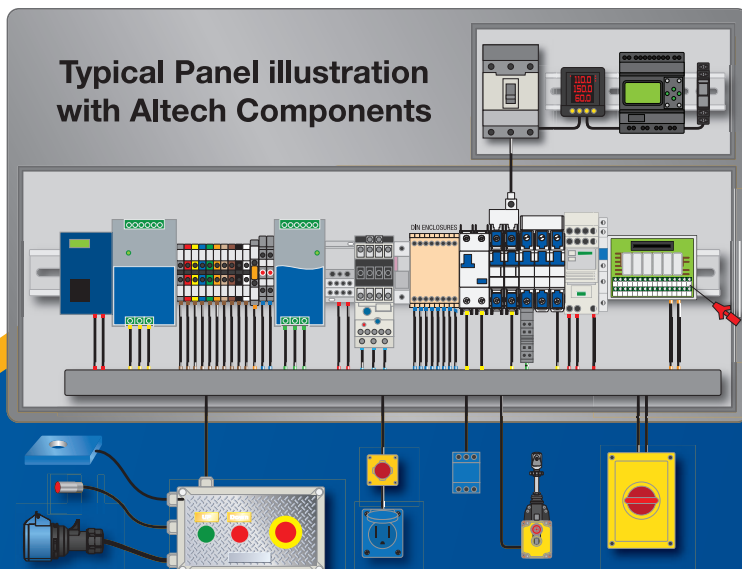
Your Source for Automation & Control Components



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



Typical Panel illustration with Altech Components



Supplied Components

- Busbars & Power Distribution
- Circuit Protection
- Contactors & Overload Relays
- DC-UPS
- Digital Panel Meters
- Digital Timers
- DIN Enclosures
- Eurostrips
- European Fuses
- Ferrules
- Foot Switches
- Fuse Holders
- Ground Fault Protection
- Industrial Enclosures
- Interface Modules
- Limit Switches
- Liquid Tight Strain Reliefs
- Marking & Engraving Systems
- Motor Disconnect Switches
- Pin & Sleeve Devices
- Power Supplies
- Push Buttons & Pilot Lights
- Rope Pull Switches
- Safety & Slimline Relays
- Safety Switches
- Solid State Relays
- Sensors
- Programmable Relays
- Terminal Blocks
- Test & Measurement
- Tower Lights
- Wire Ducts



PRODUCTS from **Altech**®



GEOS

Tough • Flexible • Safe

Industrial Outdoor Enclosure

- All around protection through "Drain Protect"
- Multiple mounting options
- Modular component mounting system

Air Ventilation System

Prevents
Condensation



The Unique AKIII Enclosure with Patented Air Ventilation System

- Integrated air ventilation
- Interchangeable flange endwalls
- Combinable
- Indoor and outdoor installation



CYDL Series 3 Level Multi- Function Terminal

908.806.9400 - www.altechcorp.com



UL98

Open & Enclosed Disconnect 60 A & 100 A Switches

- One design used in direct and extended handle applications
- Enclosed switches are available in plastic, sheet metal and stainless steel enclosures
- Silver contacts ensure safe and durable operation

Cuttable UL 489 Busbars

- Ratings of up to 115A
- UL listed for use with most competitor's UL 489 Miniature Circuit Breakers



UL1953

Power Distribution

- Built-in phase indicator
- Color Marking Plates
- For use with copper and aluminum cable



CY Series Screw Clamp Terminal Blocks

- Terminals accept wires with/ without ferrules
- Very compact profile
- Easy snap-on ground blocks



Space & Time Saving Terminal Blocks

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



Table of Contents & Typical Application Chart

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

PAGES

6-8



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

19



Assembly production
Building technology
Electronic automation
Machinery construction
Photovoltaic
Safety engineering
Steel production
Textile machinery
Wind turbines

Automation
Data centers
Feeding systems
Molding machines
Power supply
Ship building
Switchgear production
Tunneling machines

Automotive industry
Disability assistance
Industrial PC
Packaging
Rail vehicles
Stations control technology
Telecommunications and control
Water supply

DIN ENCLOSURES

16



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)

9-12



Appliances
Food equipment manufacturers
Hot melt glue guns HVAC manufacturers
And HVAC panels
Street light camera systems and cabinets

Environmental chambers
Furnaces
Medical equipment, pump
Military
Transportation i.e. Railway, bus lines

Floor light boxes
Heaters

Price sensitive wiring applications
UL 508 panel shops

DISCONNECT SWITCHES

9



Conveyor control i.e. Warehousing
Food processing
Portable power stations
UL 508 panel shops
Theater lighting
UL 508 panels
Wind generation

Door lifts
Metal stamping machines
Robots
Solar combiner boxes
Traffic control systems
Water & sewage
Yachts

Fire control systems
Municipal pump stations
Surge protection equipment
Test equipment
Trains
Water desalination

DISTRIBUTION POWER BLOCKS

8



Commercial
Military
Switchgear

Control panels
Power distribution system
Wind generation

General industrial
Solar industry

INDUSTRIAL ENCLOSURES

13-15



Agricultural – feed/water devices
Conveyor systems
Gas detector
Lighting junction box
Monitoring and sensing devices
Solar
UL panel shops

Alarm systems
Cranes
HMI
Machine builders
Power distribution boxes
Switch box
Vehicle tracking/monitoring

Control boxes
Disconnect box
HVAC
Mining
Refrigeration
Terminal boxes
Water treatment

LIQUID TIGHT STRAIN RELIEFS

16



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

Machine builders
Solar

Automotive
Petroleum industry
UL panel shops

PCB TERMINAL BLOCKS



Circuit board manufacturers
Irrigation control systems

Contract manufacturer's
Medical devices

Electronic test equipment
Panel shops

PAGES
12

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

19

PUSH BUTTONS AND E-STOP



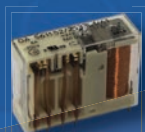
Control panels
Conveyor systems
Motor controllers
Medical treatment and diagnostic
Metalworking
Food processing
Packaging equipment
Lifting/moving equipment
Electronic production equipment
Compressor control
Construction/building material handling

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

17

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

20

SAFETY & LIMIT SWITCHES



Agricultural equipment
Elevators & escalators
Machine tool
Printing

Automotive
Food processing
Metal forming
Robotics

Conveyor systems
Injection molding
Packaging
Woodworking

18

SENSORS (Inductive, Metal Detection)



Agriculture
Food industry
Plastic industry

Automotive
Military applications
Recycling

Fish nursery
Rail car manufacturer

21

TIMERS



Car washes
Process control equipment

Consumer electronics
Toll gates

Industrial equipment
UL 508 panel shops

21

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

23

CUSTOM ASSEMBLIES23

DIGITAL PANEL METERS.....21

FOOT SWITCHES.....22

MARKING SYSTEMS.....23

MECHANICAL THERMOSTATS21

PIN & SLEEVE DEVICES.....22

PROCESS CONTROLLERS.....21

SUSPENSION SYSTEMS.....18

TEST AND MEASUREMENT.....23

WIRE DUCT.....23

CIRCUIT PROTECTION

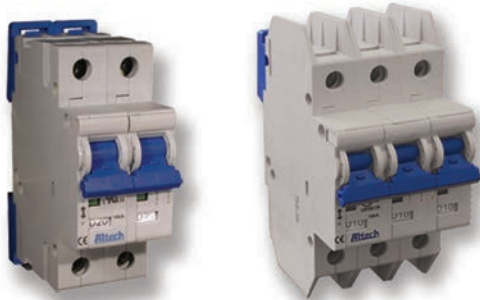


Circuit Protection Devices

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

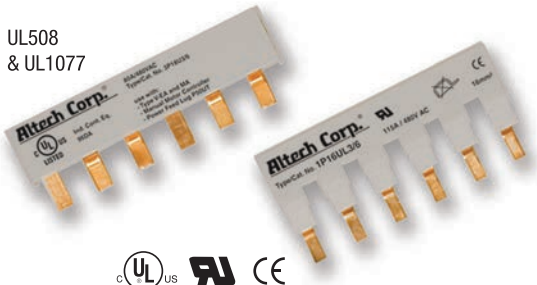


2 Pole versions available



An industry leader in UL Circuit Protection.

UL508
& UL1077



**NEW
UL489
Cutttable**



Busbars

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

Ground Fault Equipment Protectors



UL 489

Branch Circuit Breaker with Ground Fault Relay



**UL 489
1st in the industry**

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



UL 1053

Ground Fault Sensing and Relaying Device

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



UL 1053

Ground Fault Relay with Overload Protection



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

CIRCUIT PROTECTION

Open and Enclosed Motor Disconnect Switches

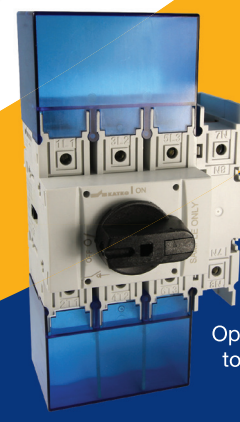
- UL 508 Listed Manual Motor Controllers for AC Motor Across-the-line, AC General Use.
- Electrical ratings up to 150A/600V
- 30A / 600V AC Fused Disconnect
- Suitable for Motor Disconnect Means
- 80A disconnect is smallest in industry
- Horsepower rated to 75hp
- Extended and direct handles, toggle switches DIN Rail and panel mount
- Enclosed plastic, aluminum, sheet metal, and stainless motor disconnect switches



NEW UL98 60A & 100A 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



Optional clear blue touch protectors

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.



All Stainless Steel

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



Sheet Metal

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



Stainless Steel

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



Aluminum

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



CIRCUIT PROTECTION & DISTRIBUTION

Distribution Solutions

UL1953 and UL1059

1 & 3 PHASE POWER DISTRIBUTION BLOCKS

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



UL1953



Color Marking Plate



Phase Indicator
Allen Key Dial

UL1059



Hybrid Power Distribution Block

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



up to
1500V DC
/500A



Industrial & Photovoltaic Fuses and Fuse Holders

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



1000V DC

CC & J
Type



Midget
Type



IEC
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

- 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

DIN RAIL TERMINAL BLOCKS

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

NEW

Assembly shown
 with Push-in Jumpers.

Other Features

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

c **UL** ^{US}
 E220514

IEC

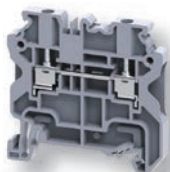
SP



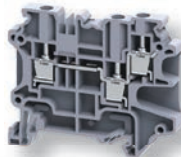
Additional Center Marking Area



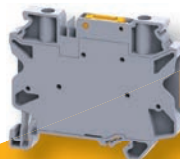
SCREW Clamp CY Series



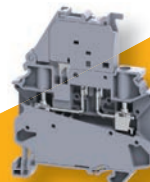
Single Level



Multiple Connection



Disconnect



Fuse Block

It's a
 Snap



Snap-On Ground Blocks

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



The CX4 is the
 Most Compact
 in Industry

c **UL** ^{US}
 E220514

IEC

SP

SPRING Clamp CX Series

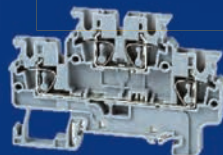
Maintenance free spring clamp design

**Many Design
 Options Available**

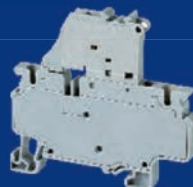
CX Series is suitable
 for vibration applications



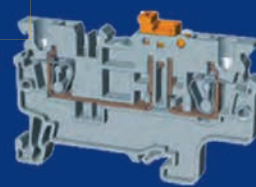
Multi-Connection



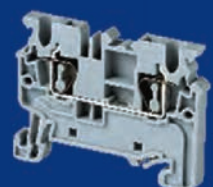
Double Level



5x20 Fuse Block



Disconnect



Feed-Through

DIN RAIL TERMINAL BLOCKS

NEW

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

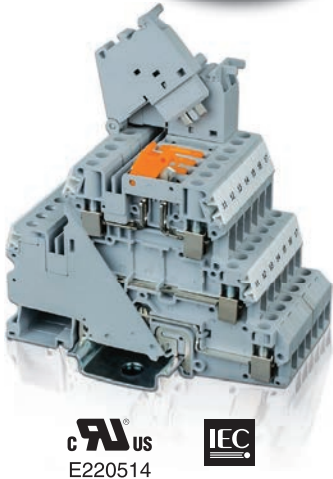
3 Levels:

Top: Fuse, Disconnect or Feed Through

Middle: Feed-Through

Bottom: Grounding Terminal (optional)

- Universal Push-In Jumper System
- Test plug suitable screws (CYDL4)
- Built-in end plate



cUL[®] US
E220514

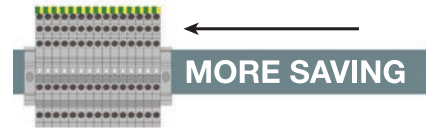
IEC

Over
60%
More Space

Single level terminal blocks



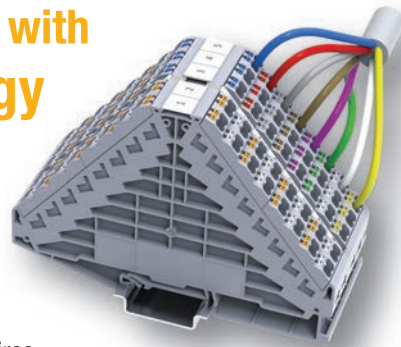
Solution with the CDYL series



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

SPACE & TIME SAVING

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

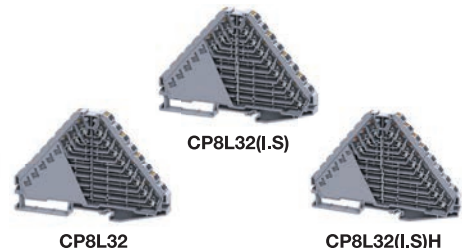


NEW

cUL[®] US
E220514

IEC

SP

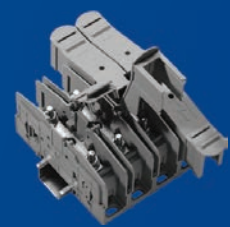
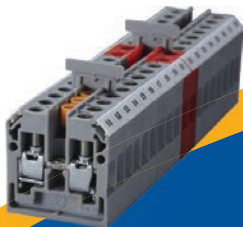


CP8L32

CP8L32(I.S)

CP8L32(I.S)H

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



Panel Mount / Mini Terminal Blocks

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



Ring Tongue / Stud Terminal Blocks

- Bolt version
- Captive nut version
- Power Blocks up to 230A
- Secure and safe connection for severe vibration applications



TERMINAL BLOCKS & ACCESSORIES

Terminal Strips Eurostrip® Style

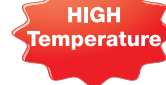


- Easy Mounting and Connection
- Reliable Connection Every Time
- Up to 63A
- Feed-through Flat Base (300V)
- Feed Through Standoff Feet (600V)
- Pluggable Version
- Various Accessories



Ceramic Blocks Euroblock™ Style

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



DIN Rail & Accessories

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



DIN Rail
Mounting Clip



UL Recognized Ferrules

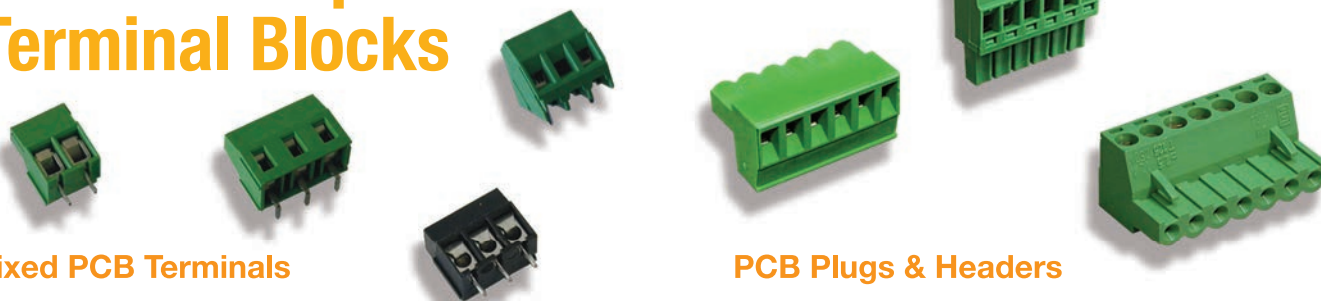
- UL Single Insulated Wire Ferrules
- UL Twin Insulated Wire Ferrules
- UL Insulated Wire Ferrules on Reel or Belt
- Insulated Industry Standard Wire Ferrules
- Insulated DIN Standard Wire Ferrules
- Uninsulated Industry Standard Wire Ferrules
- Insulated Dual Wire Ferrules
- Insulated Ferrules Assortment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

PCB TERMINAL BLOCKS

Broad Selection and Styles



Screw Clamp PCB Terminal Blocks



Fixed PCB Terminals

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

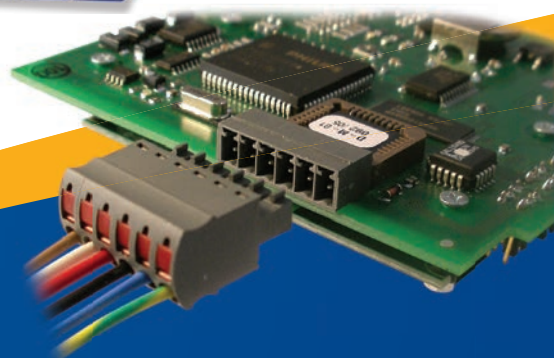
PCB Plugs & Headers

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



**For a FREE Demo Kit
visit altechcorp.com/PCBs**

Spring Clamp & Push-In PCB Terminal Blocks



Fixed Push-in PCB Terminals

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



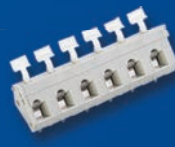
PCB Power Terminals Push-in

- 5.00 / 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



PROTECTION
IP67

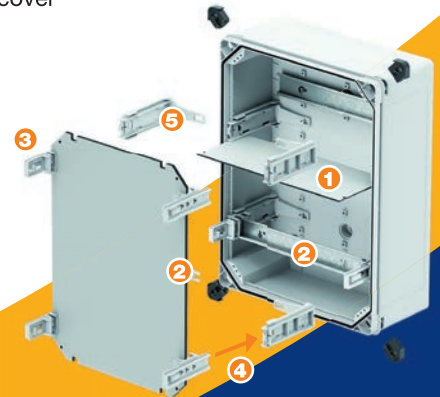
UL
TYPE 4X
E254144



- 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



Patent No.
WO 2015/063057 A1

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



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

PROTECTION
IP65



UL
E254144
UL TYPE 3R, 12, 12K

Wide Range of Features:

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



Enclosure Size Range:

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

Knockouts Sizes:

M40/50 - M20/25 - M20 - M20/25 - M32/40

INDUSTRIAL ENCLOSURES



TK SERIES

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

**HF - EMC
models
available**

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



TG SERIES

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

**Custom
Assemblies
& Printing**



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

**Dust and
moisture
proof**



AK SERIES

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

100 x 150 x 96 to 900 x 300 x 142 mm
3.94 x 5.91 x 3.78 to 35.43 x 11.81 x 5.59 in

**Corrosion &
maintenance
free**



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

**Ideal for
harsh
environments**

ABOX-i SERIES

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



HP SERIES

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

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

AK SERIES

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

Protect
from weather
& corrosion

ABOX SERIES

- 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

Protect
Components

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



Metric
Knockouts

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

Smooth
exterior
walls

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



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

AKL SERIES

- Knockout patterns are on the inside, with identical tops and bottoms.
- Up to IP65 protection
- Corrosion and maintenance free
- Polystyrene or Polycarbonate base and cover
- Polycarbonate transparent doors
- Integral seals • Halogen free
- High mechanical strength



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 @

Altech
ENCLOSURE
FINDER

STRAIN RELIEFS & DIN ENCLOSURES

Liquid Tight Strain Reliefs

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



Corrugated Tubes

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



DIN Enclosures



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

PUSH BUTTONS & CONTACTORS

22 and 30 mm Push Buttons



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

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

Large Selection
of E-Stops &
Enclosures

MOTOR CONTACTORS, OVERLOAD RELAYS & MANUAL MOTOR STARTERS

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

High Quality at
Competitive Prices



SAFETY SWITCHES & SUSPENSION SYSTEMS

Safety Products for Man and Machine



Keyed Safety Switches

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



New RFID Non Contact Safety Switches

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

Safety Limit Switches

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



Solenoid Locking Safety Switches

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



Hinged Door Safety Switches

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



Suspension Systems

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



Safety Rope Pull Switches

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



DC POWER SOLUTIONS

DIN Rail Power Supplies



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



Battery Chargers and DC-UPS Solutions



ALL-IN-ONE
DC-UPS

BATTERY
CHARGER



All-In-One DC-UPS

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



Ultra
Capacitor
DC-UPS



Ultra Capacitor DC-UPS

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

RELAYS & TIMERS

Wide Range of Relays



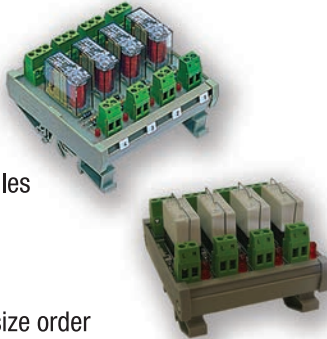
Safety Relays

- 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
- Applications include emergency stop, two-hand safety, railroad signaling and elevator/escalators.



Relays Modules

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



Solid State Relays

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



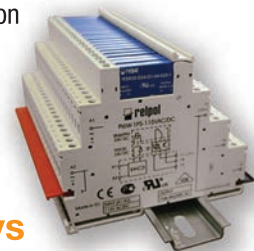
Industrial Relays

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



Slim Line Relays

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



Smart Relays

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

Digital Timers

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



METERS & SENSORS

Digital Panel Meters

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



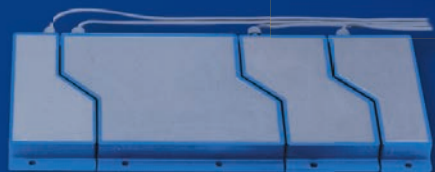
Process Controllers

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



Large variety of Inductive Proximity Sensors are also available.

Sensors



Flat Pack Sensors

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

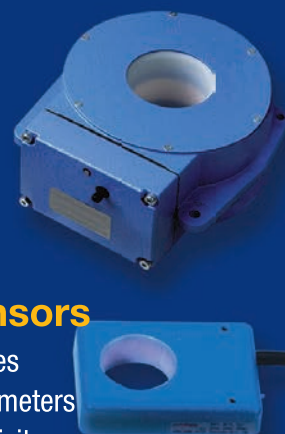
Inductive Proximity Sensors

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



Ring Sensors

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



Mechanical Thermostats

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



Tunnel Sensors

- High Sensitivity
- Custom Sizes
- Various Control Options



Industrial Foot Switches

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



Medical Foot Switches

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



Pin & Sleeve Devices / Receptacles



- Large selection
- IEC 60309 certified power plugs and connectors.
- Electrical rating up to 30A/600V AC
- IEC styles up to 125A/690V AC
- Designs include plugs, receptacles, inlets and connectors
- Splash proof and watertight versions
- Exceptional anti-tracking properties
- Designed for industrial use

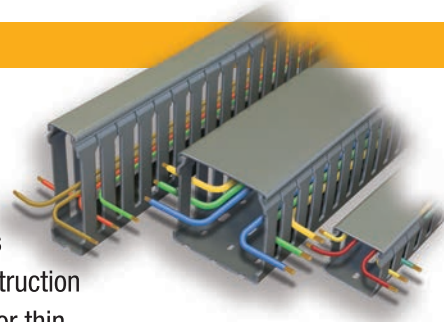
Test & Measurement

- Size range of 0.64 mm to 4 mm
- Clamp-type test probes
- Alligator clips • Test probes
- Oscilloscope • Measuring leads
- Plugs • Sockets • Sets



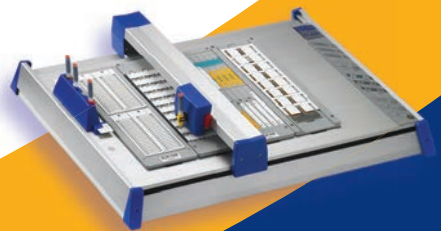
Wire Duct

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



Marking Systems

- Compatible for terminal block markers and wire markers such as Altech Corp, Allen Bradley, Connectwell, Conta Clip, Entrelec, 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



Tower Lights

PROTECTION
IP65

- 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

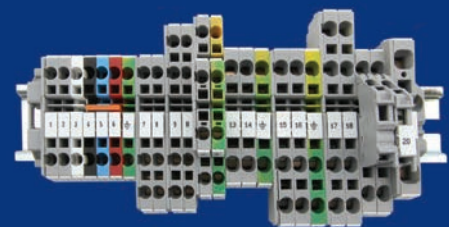
Custom Assemblies

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

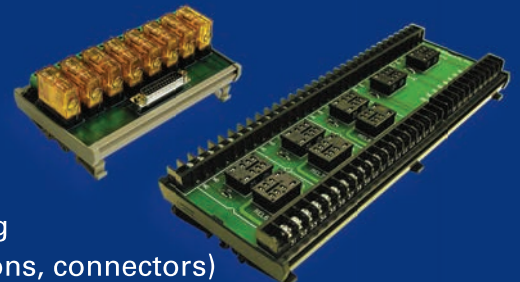


Minimum Quantities

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)



Altech Corp.®

Quality
Endorsed
Company

ISO 9001:2008
CERTIFICATE

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ENCLOSURE FINDER

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CIRCUIT PROTECTION



Circuit
Protection
Devices



Busbar
& Power
Distribution



Contactors,
Overload
Relays, Manual
Motor Starters



Motor
Disconnect
Switches



European
Fuses &
Holders

CONNECTORS



Pin & Sleeve
Devices



Receptacles



Industrial
& ATEX
Enclosures



DIN
Enclosures



Control
Enclosures and
Suspension
Systems

FOOT SWITCHES



Industrial



Medical



Interface
Modules



Safety
Relays



Industrial
& Slimline
Relays

PANEL ACCESSORIES



Panel
Lights



Heaters,
Filters &
Thermostats



European
Spare Parts



22 & 30 mm
Push Buttons
& Enclosures



Pilot Lights
& E-Stops

POWER DEVICES



Power
Supplies



DC-UPS &
Battery
Chargers



Altech
Smart Relays



Digital
Panel Meters



Digital
Timers

SAFETY SWITCHES



Keyed
Safety
Switches



Keyed
Solenoid
Locking
Switches



Hinged
Safety
Switches



Non-Contact
Safety
Switches



Safety
Rope Pull
Switches

STANDARD SWITCHES



Limit
Switches



Foot
Switches



Cylindrical &
Capacitive



Flat Pack
& Ring



Metal
Detection

SENSORS

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