



cross currents

DECEMBER, 2007

FOR PRIVATE CIRCULATION ONLY

elmex AT ELECRAMA 2008 SCREWLESS TERMINATION SOLUTIONS



Features of *elmex* screwless (spring clamp) terminals:

- Consistent clamping force independent of workman.
- *elmex* current bar has serrations, resulting in better grip with conductor and minimal mV drop.
- *elmex* spring clamps are made of special spring steel, they are corrosion proof, and stress relieved to prevent cracks in service due to residual working stress.
- Due to the clamping force, the conductor and current bar are pressed together to make a gas tight joint. This eliminates possibility of joint corrosion and helps in better performance in temperature rise and short time current withstand tests.
- Standard 35 mm DIN-rail mounted (TS 35), or panel mounting terminals, conforming to IEC 60947-7-1 and other international standards. Suitable for rigid/stranded/flexible conductors.

After stripping insulation, conductor is pushed in the clamp by using a straight bladed screwdriver. Upon withdrawing it, the conductor is securely clamped.

Range of *elmex* screwless terminals:

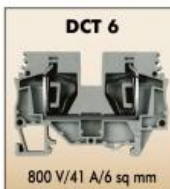
- Top entry and Side entry feed through terminals
- Angular entry, multi-conductor terminals
- Top entry, panel (or PCB) mounting miniature terminals
- Fuse terminals and Disconnecting terminals



800 V/24 A/2.5 sq mm



800 V/32 A/4 sq mm



800 V/41 A/6 sq mm



800 V/24 A/2.5 sq mm



800 V/32 A/4 sq mm



800 V/20 A/4 sq mm

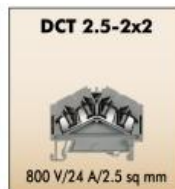
TOP ENTRY,
FEED THROUGH TERMINALS

SIDE ENTRY,
FEED THROUGH TERMINALS

DISCONNECTING
TERMINAL



800 V/24 A/2.5 sq mm



800 V/24 A/2.5 sq mm



800 V/10 A/4 sq mm



500 V/24 A/2.5 sq mm



500 V/24 A/2.5 sq mm



CAN SHORT SERIES
OF TERMINALS

ANGULAR ENTRY,
MULTI-CONDUCTOR TERMINALS

FULLY ENCLOSED
FUSE TERMINAL

2 POLE/4 POLE,
PANEL MOUNTED MINIATURE TERMINALS



WE INVITE YOU TO VISIT US AT
ELECHEMA-2008
 Mumbai, January 18-22, 2008
Stall # H1 E56K86, Hall # 1

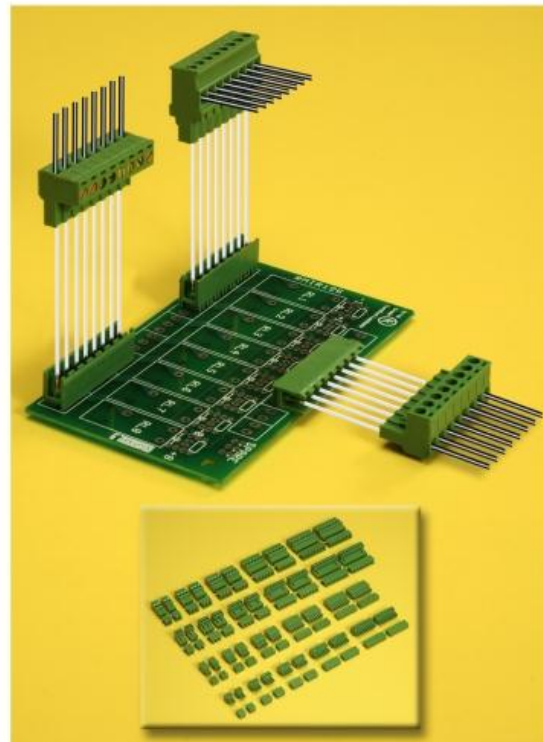
econix AT ELECHEMA 2008
A GLIMPSE OF e-CONTROL SOLUTIONS ON DISPLAY
Switching Mode Power Supply (SMPS) Combicon Type PCB Connectors



Highly reliable SMPS from **econix** come with following salient features:

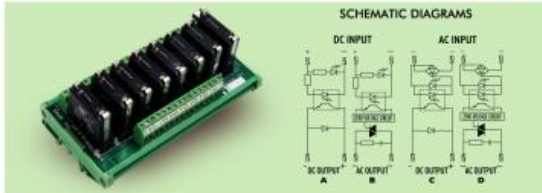
- Unique inbuilt Attenuator for excellent control of Harmonics.
- Compatible, by design, for redundancy mode and parallel operation with unique current sharing features.
- Very Low Ripple D.C.
- Protection for over voltage, over load and short circuit.
- Unique power factor correction (PFC) circuit; (better than 0.97 lag possible).
- Unique zero voltage circuit for control of inrush currents.
- Successfully passes 100% full load burn-in test and other tests such as line and load regulation tests, drift test and efficiency test.

Din Rail TS 35 or Panel Mounted, having International Approvals : UL, RU and CE. They are compact, economical, and come with a 2-year warranty.



econix offers a variety of plug in type PCB-connectors allowing unplugging of PCB from control and signal wires. UL-approved, conforming to IEC, VDE specifications, they are available in 3.5/5/5/08 mm pitch with 2 to 24 number of pins.

econix AT ELECRAMA 2008



Solid State Relay Modules

econix Solid State Relay Modules are rated for 5A switching duty with CE approved relays. Apart from all the conventional features of providing high frequency operation, optical isolation, etc., these well-designed boards additionally provide better on board creepage distance between actuation and output of relay. Solid State Relays mounted on sockets facilitate on-site maintenance, since the relays are secured on sockets by retaining clips.

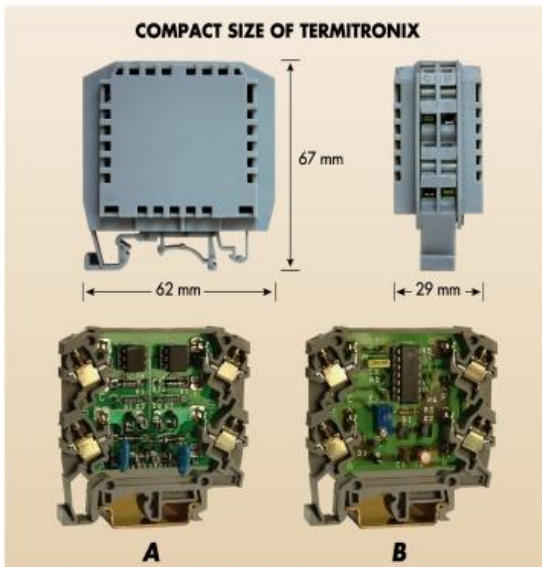
econix SPDs : Surge Protective Devices

Protection of low voltage equipment against voltage surges becomes critical for modern surge-sensitive equipment like computers, controllers and automation systems, where power frequency over-voltage protection, or voltage stabilization alone, is no longer considered sufficient.

econix has recently launched "**ECTRATECH**" series of Din Rail Mounted Surge Protective Devices, for protection of low voltage electrical systems against surges in TT, TN and IT electrical topologies.

The letters TT/TN/IT according to International Standards, stand for various conditions of earthing at the source of power and at the electrical equipment. **econix** SPDs are rated 350 to 550V, 60 to 150 KA maximum impulse discharge current I_{max} and have a response time of less than 25 nanoseconds.

For more information on SPDs or for your requirements of SPDs, please get in touch with us at bhairavjoshi@elmex.net.



Termitronix Control Elements

For the first time in India, we offer an innovative solution to Control and Automation Industry, enabling modular design of electronic controls. The new solution is in the form of Termitronix terminal consisting of basic Terminal Block type KCH, universal DIN-rail mounted, with 8-independent terminals for external connections. It contains a mini PCB and required electronic control element.

Some of the break through features of this innovation are:

- No marshalling needed since both the controller and field loads can be connected directly to Termitronix Modules.
- Saves controls installation space upto 30 - 50%.
- Offers considerable ease in maintenance, investigations repairs and replacements in service.
- Fully ventilated by the openings provided on both the faces.

We can offer any type of customized control elements with Termitronix Terminals.

Termitronix Modules shown here are with:

- A : 2-Way Opto Isolator Element
- B : Encoder Element

elmex Stud Termination Solutions
 A time-tested range now in Polyamide 6,6...



STUD TERMINALS :

- ✓ Finger-safe, Unbreakable, most trusted Design
- ✓ Choice of Screw Driver/Nut Driver operated terminals
- ✓ Suitable for upto 25 sq mm conductor, Mountable on all DIN Rails
- ✓ Disconnecting Terminal Available (CATD M4/CLTD M4 Equivalent)

elmex : The name you have come to trust



We welcome your suggestions and queries regarding our products and feedback about CROSS CURRENTS. Write to us at ask@elmex.net

Elmex Controls Pvt. Ltd.
Econix Hi-Tech Components Pvt. Ltd.

12 GIDC Estate, Makarpura Road, Vadodara 390 010, India
 Telephones : +91-265-2642021, 2642023 ♦ Facsimile : +91-265-2638646
 e-mail : marketing@elmex.net ♦ URL : www.elmex.net

TECHNICAL SPECIFICATIONS MAY CHANGE IN LINE WITH TECHNICAL ADVANCES AND INDUSTRY STANDARDS.