

Cross currents

MAY, 2007

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elmex POLYAMIDE 66 TERMINAL BLOCKS

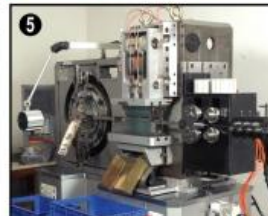
In 1963 **elmex** entered the field of Termination Technology with feed through terminals for switchgear applications. Most widely employed insulated housing material in those days was Melamine Formaldehyde, a compression moulded thermosetting amino plastic. Entire variety of **elmex** terminals were therefore with Melamine housing. **elmex** enjoyed a powerful brand image with the quality and reliability of these mass produced terminal blocks.

In the mean time **elmex** had already initiated work on injection moulding way back in 1971, with fire retardant polypropylene and introduced CUT series Terminals, improved versions of which are also currently available. CUT Terminals are 32 mm DIN-rail mounted, using U-shape mounting spring (like the popular melamine design). The currently well known KUT feed through series, with universal DIN-rail mounting (both 32mm and 35 mm), was subsequently developed in Polyamide 66 housing.

Since then, not only has the Polyamide 66 range of terminals been developed widely at **elmex**, in terms of both - ratings and variety, but **elmex** has made significant strides in

developing parts and products ③ with various other thermoplastic injection moulding materials. These parts are mass produced precision mouldings requiring precise process controls.

All this has been possible because **elmex** had realised in very early stages, the value of both the injection moulding as a process and Polyamide 66 as the material for low voltage applications. **elmex** had therefore undertaken various infrastructural developments in designing, tooling, manufacturing, product testing and development, since early days. Today, **elmex** has a number of state-of-the-art micro processor based fully automatic injection moulding machines ⑤, various CNC machines for precision tool manufacturing ④ & ⑥, computerised multiforming machine, pitch controlled auto-tapping and internal thread rolling machine, fully computerised design center with facility for 3D imaging and mould flow analysis ②, full fledged laboratories for testing of products according to international standards ①, and encompassing all these, the Quality Management System (ISO 9001:2000) and the continuous improvement philosophy in products, processes and systems.



elmex offers a wide variety of Terminal Blocks, both in Polyamide 66 as well as in Melamine Housings. For many applications, Terminal Blocks with either type of housing are suitable. In some applications, however, one or the other is preferred, depending on the environment of the application and characteristics of these materials.













General Characteristics of Polyamide 66

- ✓ Hard and tough Thermoplastic.
- ✓ Good Abrasion Resistance and Low co-efficient of Friction.
- ✓ High Tensile Strength.
- ✓ Good Dimensional Stability.
- ✓ Low tendency to Warp.
- ✓ Process high Heat Deflection Temperature.
- ✓ Low UV Resistance.
- ✓ High Temperature Resistance.

Variety of elmex Polyamide 66 Terminals

- ✦ Feed Through type
- ✦ Multi-level type
- ✦ Spring loaded type
- ✦ Disconnecting type
- ✦ Fuse Terminals
- ✦ Fuse Feed Through type
- ✦ Distribution Blocks
- ✦ Earth Terminals
- ✦ Power Terminals
- ✦ Micro Terminals
- ✦ All Brass Terminals
- ✦ Spring Clamp Terminals
- ✦ Lighting Pole Terminals
- ✦ Component Housings
- ✦ Termitronix Control Elements
- ✦ Shrouded Stud type

elmex range of Terminal Blocks in Polyamide 66 housing is presented here with illustrations, showing some of the variety and ratings. For more details or for your specific requirements, please refer to our detailed catalogue, log on to our website or contact us by e-mail.

<p>KUT-N Series : 2.5 to 10 sq mm with special features</p> 	<p>KUT 95 : 95 sq mm/232 Amp High Current, Feed through</p> 	<p>DU3D4 : 2.5 sq mm 3-level</p> 	<p>KUDDF 4D 1-5 : Fuse Feed through with LED "fuse blown", 4 sq mm</p> 
<p>KSTD 6WS : Disconnect Type with sliding link spring loaded, for SCADA applications</p> 	<p>DBK 1 x 8 : Distribution Block 1 incoming : 35 sq mm 8 outgoing : 10 sq mm</p> 	<p>KATM3C : Stud Type Shrouded Terminals : 2.5 to 16 sq mm</p> 	<p>DPBC 120 : Power Terminals 120 sq mm, 269 Amp</p> 
<p>"U" series : All Brass Terminals UBDF4 - 4 sq mm</p> 	<p>DCT 6 : Spring clamp 6 sq mm, Feed through</p> 	<p>KULT4 : Spring Loaded Terminals 2.5 to 10 sq mm</p> 	<p>TERMITRONIX TERMINALS with Electronic Control Elements</p> 

elmex range of Melamine Terminal Blocks are amongst the most widely used products since 1963. For many applications either Melamine or Polyamide 66 Terminal Blocks are suitable. In some applications, however, one or the other is preferred, depending on environment of application and characteristics of these materials.

General Characteristics of Melamine

- ✓ Stiff and brittle in nature.
- ✓ Hardest of all plastics material
- ✓ High modulus of elasticity
- ✓ High mechanical strength and wear resistance.
- ✓ Good Electrical properties.
- ✓ Break resistance and Chip resistant.
- ✓ Self-extinguishing in nature.
- ✓ Resistant to acid, alkalis and can withstand boiling water.

Variety of elmex Melamine Terminals

- ✦ Feed through type
- ✦ Multilevel type
- ✦ Spring loaded type
- ✦ Stud type
- ✦ Test/ Disconnect type
- ✦ Fuse Terminals
- ✦ Fuse Feed through type
- ✦ Double Deck Terminals
- ✦ Power Terminals
- ✦ Plug and Socket type

elmex also offers a wide range of Melamine Terminal Blocks, both in variety and ratings. We briefly present here the range with illustrations of some of the Terminal Blocks. For more details, or for your specific requirements please refer to our detailed catalogue, log on to our web site or contact us by e-mail.

<p>CSTM 2.5 : 2.5 sq mm Feed through</p>	<p>CUDD 4 : 4 sq mm Double Deck</p>	<p>CSLT1 : Spring Loaded Terminal</p>	<p>CAT M3 : 4 sq mm Nut-driver type</p>
<p>CLTD M4 - 6 sq mm Test/disconnect terminal</p>	<p>CBT 300 : 70-120 sq mm 320 Amp</p>	<p>CUDDF 4D 1-5 : Fuse Feed through with LED "fuse blown"</p>	<p>CUDD 4S : 4 sq mm, one input/three output for distribution</p>
<p>CST 185 : 185 sq mm/405 Amp For Stranded Conductors</p>	<p>CST 185BB : 185 sq mm/405 Amp For Cables with Lugs</p>	<p>CST 185BC : 185 sq mm/405 Amp For Stranded Conductors & Cables with Lugs</p>	<p>PSC 1/5 : 10 sq mm/57 Amp 5-Way Plug & Socket for motor control</p>



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elmex & econix AT RECENT INTERNATIONAL EVENTS



OUR PRODUCT RANGE

♥ Insulation Housings in Melamine, Polyamide (Nylon) 6.6, FRPP ♥ Conductor Clamping with Screw Clamps (MS & Brass), Spring Clamps, Bolted Connection, Anti-Vibration Spring-loaded Clamps ♥ Mounting on Standard DIN-rails TS 35, TS 32 and TS 15

Feed-through Terminals 	Micro Terminals 	Power (Bus Bar) Terminals 	High Current Terminals 	Fully Enclosed High Current Terminals
Double Deck Terminals 	Triple Deck Terminals 	Disconnecting Type Terminals 	Fuse Disconnection Terminal 	Fuse Feed Through Terminals
Spring Clamp Terminals 	All Brass Terminals 	Plug & Socket type Terminals 	Special Application Terminals (C.T.-Sec.) 	Distribution Blocks
Stud type Terminals 	Spring Loaded Terminals 	Lighting Pole Terminals 	Earth Terminals 	Special Application Switches
Plug-in type PCB Connectors 	Low Consumption Relay Modules 	Switching Mode Power Supplies (SMPS) 	Termitronix with Control Elements 	Surge Protecting Devices

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



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