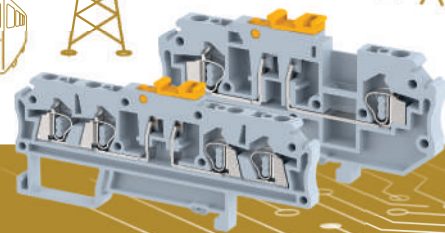
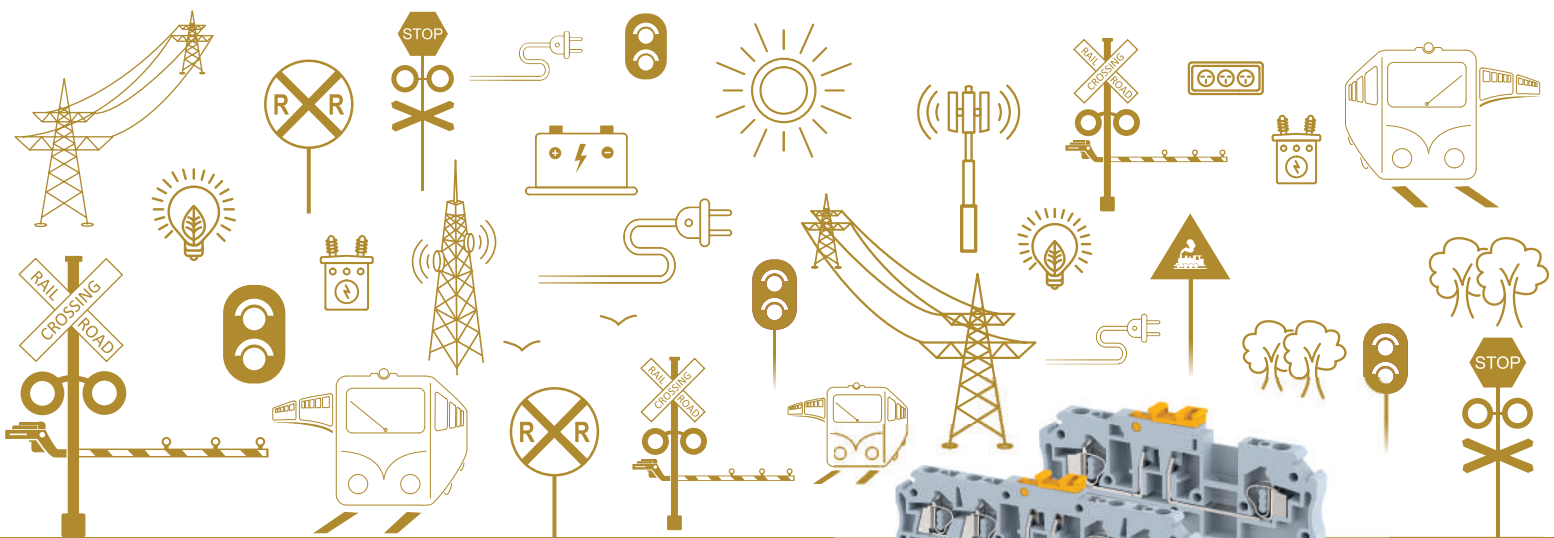


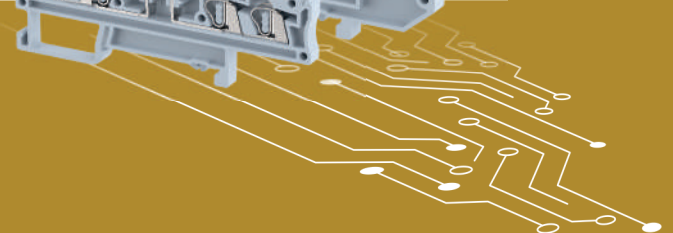


since 1963

Converging
Innovations  Expanding
Solutions

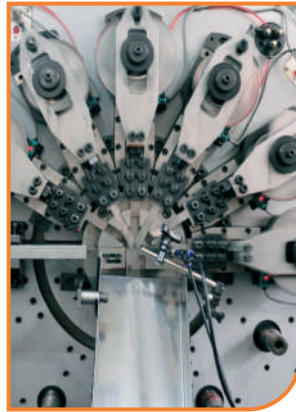
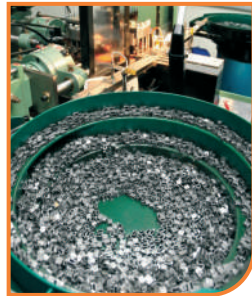


Solutions for
Railways





since 1963



'elmex' is a pioneer in the field of Electrical Wire Termination Technology in India, 'elmex' started journey in 1963 with the manufacturing of Rail Mounted Clip-On type Terminal Blocks for the Switchgear Industry. 'elmex' developed this product as an import substitute item for India, thus helping nation conserve foreign exchange which was then very scarce. Steered on by the vision of our founder and chairman, Mr. J D Ray, 'elmex' has moved from strength to strength & is regarded as a leading manufacturer of Terminal Blocks in India.

The steady & systematic growth coupled with the desire for incremental innovations, unfaltering customer service & steadily increasing manufacturing productivity has brought 'elmex' to it's current level of competency. It's Techno-economic competitiveness has led many multinationals to choose 'elmex' as a global sourcing partner. The brand equity is reflected by the fact that we serve some of the biggest names from national & multinational companies such as ABB, Alstom, BHEL, GE, Honeywell, L&T, NPC, Siemens, Schneider Electric & Yokogawa.

'elmex' is regarded as a trustworthy & reliable partner when it comes to product quality & efficient delivery schedules - all which is made possible because of commitments & competencies of team 'elmex' & the desires for continuous improvements & innovations. 'elmex' manufacturing plants are ISO 9001:2015 certified by TUV SUD South Asia Pvt. Ltd. & products are marked by a host of Global Approvals & also carry certifications from Underwriter's Laboratories Inc. - USA & Canada, A/S-Denmark, Intertek SEMKO-Sweden SGS Fimko - Finland & Nemko - Norway.





➤ What is the basic difference in termination of Screw Clamp connection and Spring Clamp connection ?

In case of Screw Clamp connection, it is necessary to ensure proper tightening of screw with a torque screwdriver. This is possible under controlled conditions like factory wiring where personnel with skill and torque screwdrivers are readily available but the same may not be the case for field wiring applications. In Screwless Terminal Blocks Spring Clamp is opened by insertion of a screwdriver. Conductor is inserted into this 'opened' clamp and connection is secured as soon as the screwdriver is withdrawn.

➤ How does Screwless Termination improve the wiring efficiency ?

The wiring time for making Screwless Connection is significantly less than that required for making Screw Clamp Connection particularly because operation of opening the screw and tightening it after insertion of conductor is eliminated while making Spring Clamp Connections.

➤ How damage to conductor is prevented in Spring Clamp Connection ?

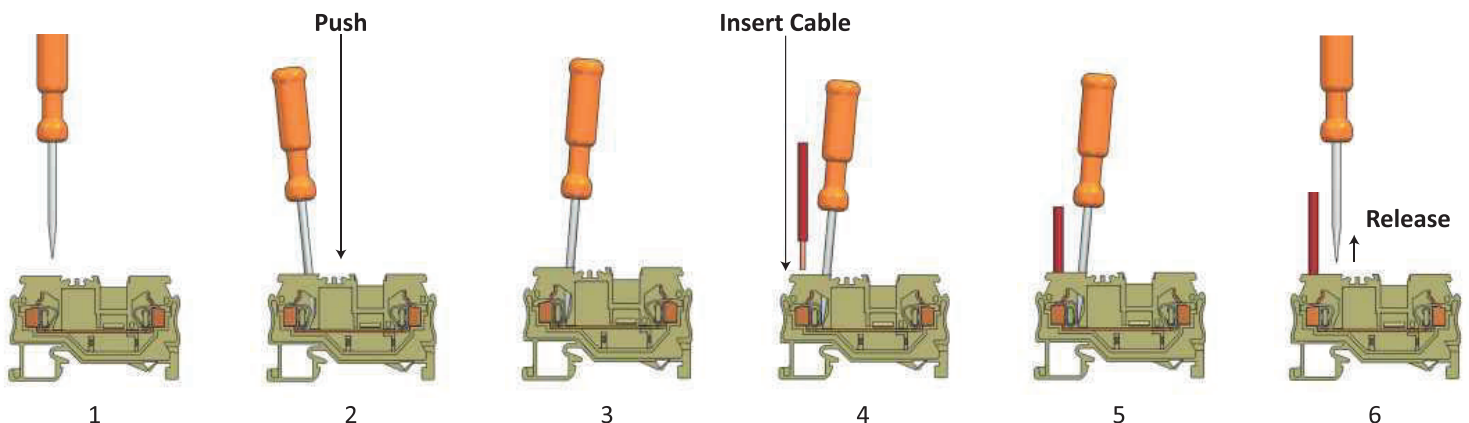
The clamping force in Spring Clamp Connection adjusts automatically according to cross-section of the conductor inserted. Larger the conductor, more the force exerted on it. There are no external factors which can change this force. This is practically not so for other termination technologies and there are changes of damage to conductor if excessive tightening torque is applied. In Spring Clamp Connection it is the flat face of the Spring Clamp which presses the conductor against current bar, at a force which is governed by Spring Clamp design itself.

➤ How is Spring Clamp connection corrosion resistant ?

This is because of two reasons. Firstly, the Spring Clamp material is a special grade stainless steel which has excellent resistance to corrosion. Secondly, spring clamp connection is a "gas-tight" connection, which prevents entry of corrosive gases to termination contact area.

➤ Can two conductors be inserted into single Spring Clamp ?

This is not a recommended practice as two wires inserted in one single clamping unit will not allow application of uniform contact pressure by the Spring Clamp.

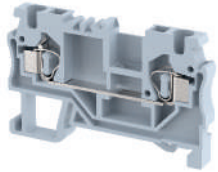




For Switch Board Cabinet SBC

Feed Through Terminal Blocks

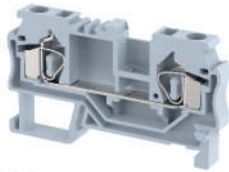
DST 2.5



CE

IEC 60947-7-1 : 800 V/24 A/4 sq mm
Ⓢ : 600 V/15 A/14-20 AWG

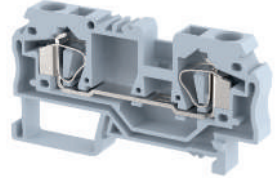
DST 4



CE

IEC 60947-7-1 : 800 V/32 A/4 sq mm
Ⓢ : 600 V/20 A/12-20 AWG

DST 6

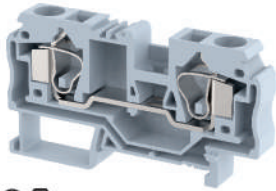


CE

IEC 60947-7-1 : 800 V/41 A/6 sq mm
Ⓢ : 600 V/25 A/10-20 AWG

Feed Through Terminal Blocks

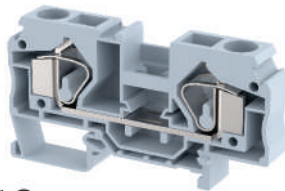
DST 10



CE

IEC 60947-7-1 : 800 V/57 A/10 sq mm
Ⓢ : 600 V/50 A/8-16 AWG

DST 16



CE

IEC 60947-7-1 : 800 V/76 A/16 sq mm
Ⓢ : 600 V/65 A/6-16 AWG

Fuse Terminal Block

SCF 6*

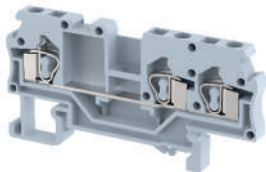


CE

IEC 60947-7-1 : 500 V/10 A/6 sq mm
*Available with LED Indication also

Multiple Output Terminal Blocks

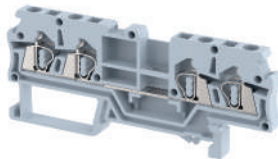
DST 2.5 - 1X2



CE

IEC 60947-7-1 : 800 V/24 A/2.5 sq mm

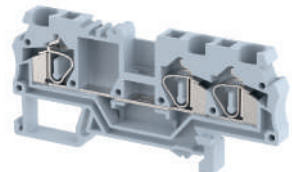
DST 2.5 - 2X2



CE

IEC 60947-7-1 : 1000 V/17.5 A/2.5 sq mm

DST 4 - 1X2



CE

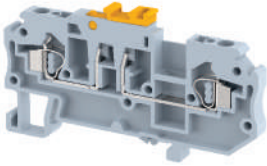
IEC 60947-7-1 : 800 V/32 A/4 sq mm



For Signal & Telecom Applications

Disconnecting Terminal Blocks

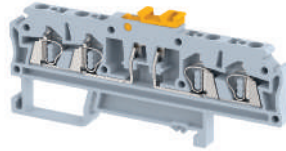
DSDT 2.5



CE

IEC 60947-7-1 : 800 V/24 A/2.5 sq mm

DSDT 2.5 2X2



CE

IEC 60947-7-1 : 1000 V/17.5 A/2.5 sq mm

Fuse Terminal Block

DCF 4*



CE

IEC 60947-7-1 : 800 V/10 A/4 sq mm
Ⓢ : 600 V/10 A/10-20 AWG
*Available with LED Indication also

For LED Based Lighting

Panel Mounted Terminal Blocks

MCT 1.5



CE

IEC 60947-7-1 : 500 V/17.5 A/1.5 sq mm

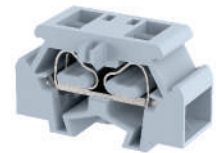
MCT 2.5



CE

IEC 60947-7-1 : 500 V/24 A/2.5 sq mm
UL : 300 V/15 A/14-22 AWG

MCT 2.5P4



CE

IEC 60947-7-1 : 500 V/24 A/2.5 sq mm
UL : 300 V/15 A/14-22 AWG

MCT 4



CE

IEC 60947-7-1 : 500 V/32 A/4 sq mm
Ⓢ : 300 V/20 A/12-20 AWG

MCT 4P4



CE

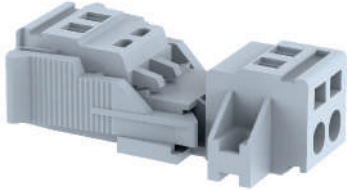
IEC 60947-7-1 : 500 V/32 A/4 sq mm
Ⓢ : 300 V/20 A/12-20 AWG



For BLDC Fans

Plug and Socket Terminals

DPSC 5.08*

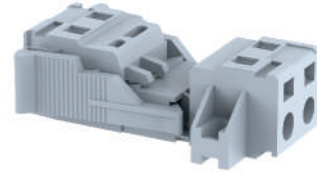


(2W, 3W, 4W, 5W, 6W, 7W, 8W, 9W, 10W, 20W)

IEC 60947-7-1 : Male : 250 V/16 A/2.5 sq mm
Female : 250V/16A/2.5 sq mm

* Available with and without fixing flange

DPSC 7.5*



(2W, 4W, 6W, 8W)

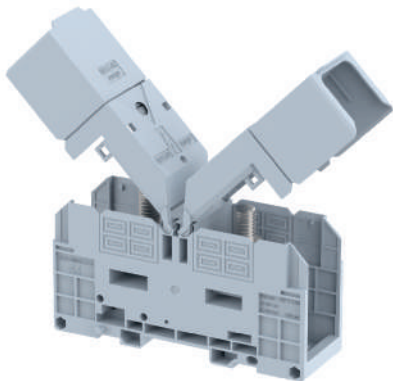
IEC 60947-7-1 : Male : 400 V/16 A/2.5 sq mm
Female : 400V/16A/2.5 sq mm

* Available with and without fixing flange

For Feeder Junction Box - Rolling Stock

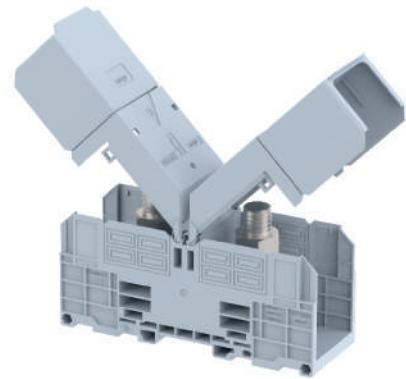
Bus Bar Terminal Blocks

SPT 150



IEC 60947-7-1 : 1500 V/309 A/150 sq mm /10 Nm

SPT 300



IEC 60947-7-1 : 1500 V/309 A/150 sq mm /10 Nm



Electrical Locomotive, EMU & Memu - Rolling Stock Application on Roof Top Pantograph

Fishbone Switch



Type	Fishbone
No. of Ways	6, 8, 9
Mechanical Life Cycle	1 Million Switching Ops.
Contact Pressure	125 gms. + 25 gms.
Continuous Current Carrying Capacity (Le)	10 ADC
Breaking Current	2 A at 125 VDC
Time Constant L/R	40 milli sec.
Di-Electric Strength	2.5 kV RMS for 60 sec.
Temperature Rise at 3A	< 5 C

Vacuum Circuit Breakers / Tap Changers

Cam Auxiliary Switch



Rated Voltage	220 V
Rated Continuous Current	20 ADC
Mechanical Life Cycle	1,00,000
Electrical Life Cycle	30,000
Contact Pressure	160 gms. to 260 gms.
Contact Gap	4.5 mm
Breaking Current	1 A at 110 VDC
Time Constant L/R	15 milli sec.
Di-Electric Strength	1.5 kV RMS for 60 sec.

'elmex' Valued Customers



Western Railway



Elmex Controls Pvt. Ltd. | Elmex Electric Pvt. Ltd.

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✉ marketing@elmex.net

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