

# INTRODUCTION

Established in 1978, Connectwell is the leading manufacturer of Terminal Blocks in India. This superior range of Terminal Blocks is complimented by a large range of Interface Modules, Surge Protection Devices and SMPS (Switched-Mode Power Supplies).

Connectwell over the years has undergone constant evolution of infrastructure, systems and personnel. This evolution is exemplified by its high quality products and a team of professionals which is always looking ahead of everyday challenges, willing to change adapt and create.

Reputed product approvals and certifications like UL, CSA, VDE, ATEX and CE and quality systems which adhere to ISO 9001:2015 verify the quality level that can be expected of Connectwell.

More than four decades of incessant dedication and commitment have made Connectwell a synonym for

... THE RIGHT CONNECTION

## PRODUCT LINES

Terminal Blocks

Interface Modules

SMPS (Switch-Mode Power Supplies)



## VISION

Connectwell is committed to provide safe, reliable and efficient control & connection solutions in line with ever changing technology requirements. We shall...

Empower domestic and global customers with products of the highest quality standards, with a competitive edge and at superior service levels.

Create a work culture that encourages individual growth, team spirit and creativity; helping us overcome challenges and attain goals.

Deploy fair & ethical business practices for the growth of our vendors and maximize returns to our stakeholders.

Contribute towards the welfare of our community and follow environment friendly practices.

## MISSION

Connectwell is dedicated to achieve customer satisfaction by, supplying the Right Product, at the Right Time and at the Right Cost.

## QUALITY & SYSTEMS

At Connectwell we endeavour to keep evolving our systems in line with the latest standards and technology.

In addition to being an ISO 9001:2015 certified organization, all our business processes are mapped into various internal and customer facing IT systems, ranging from a world class ERP, CRM & PLM systems to extremely user friendly customer portal, product configurators and product website.

Our quality control laboratory has been approved for 'Witness Test Data Program' by Underwriters Laboratories (UL). This ensures that the quality testing carried out by our laboratory is not only accurate but also acceptable to the most stringent third party product testing organizations.

Connectwell products carry third part approvals from the most trusted organizations in the world, including but not being limited to UL, CSA, VDE, ATEX and CE.



# Classic CTS Series

## Screw Clamp Terminal Blocks

- Fuse Terminal Blocks in 8 mm and 6 mm pitch
- Universal voltage rating of 6-60 V & 110-240 V available for offline indication

Knife Disconnecting Terminal Block for ease of disconnecting electrical circuits

Earthing Terminal Blocks for terminating earthing wires coded yellow-green colour as per industry standards

Sliding type Disconnecting Terminal Block for current transformers & power meters

Auxiliary Terminal Block for providing extra connection point for indicator or contractor application.

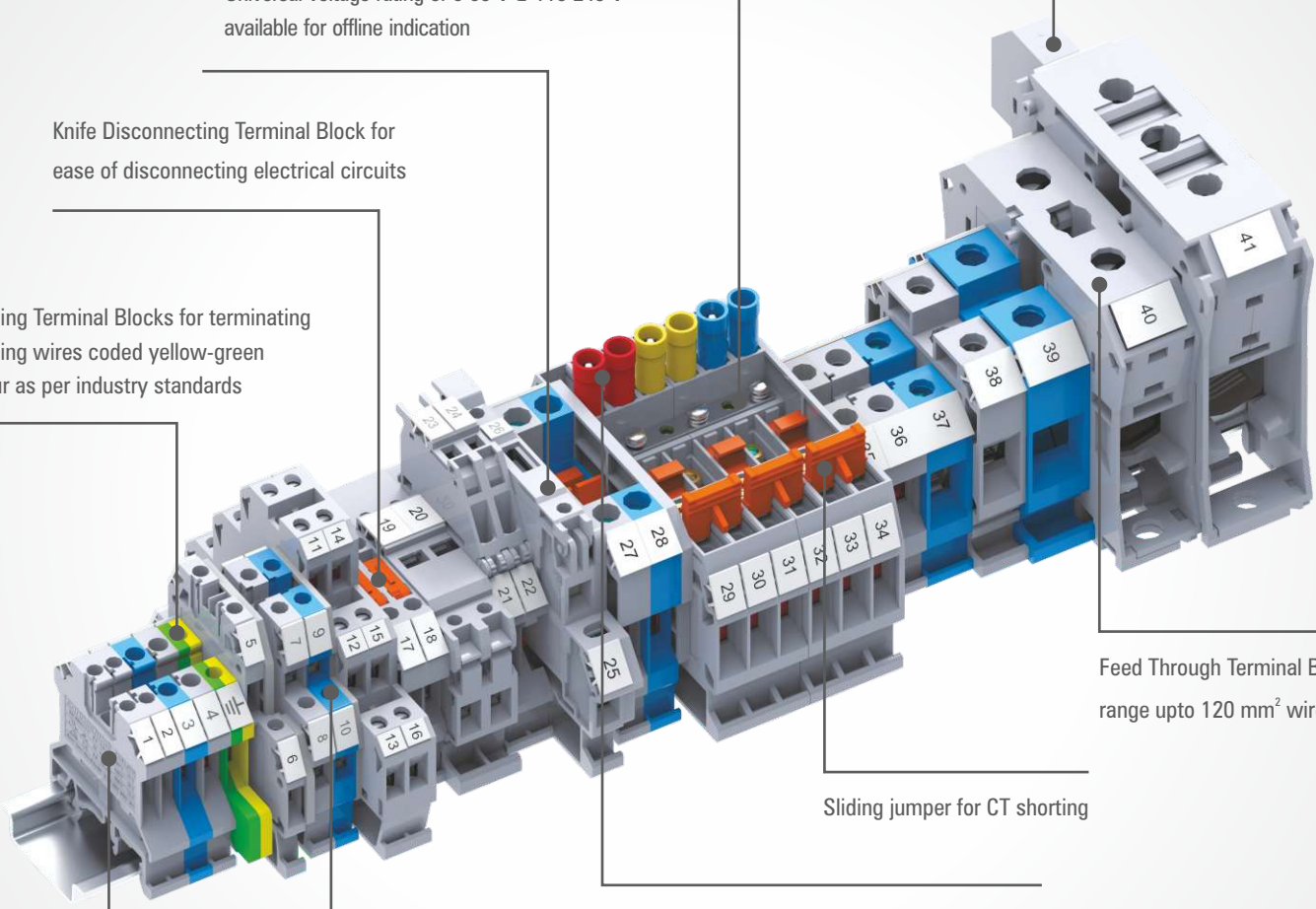
Feed Through Terminal Block range upto 120 mm<sup>2</sup> wires

Sliding jumper for CT shorting

Coloured test sockets for insertion of Test Probes

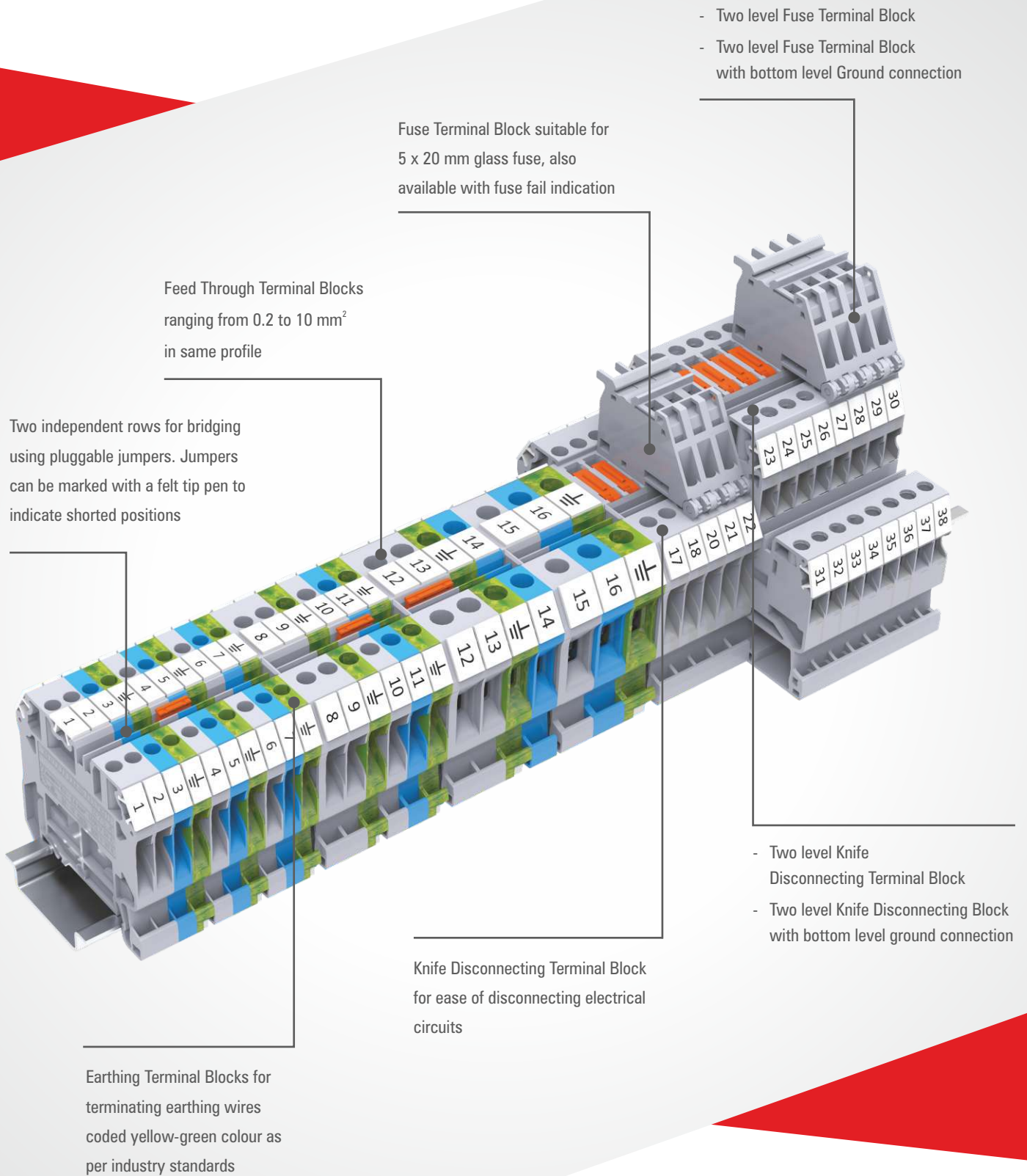
2 Level and 3 Level Terminal Block for high density wiring application

Feed Through Terminal Block for connecting wires as small as 0.2 mm<sup>2</sup>



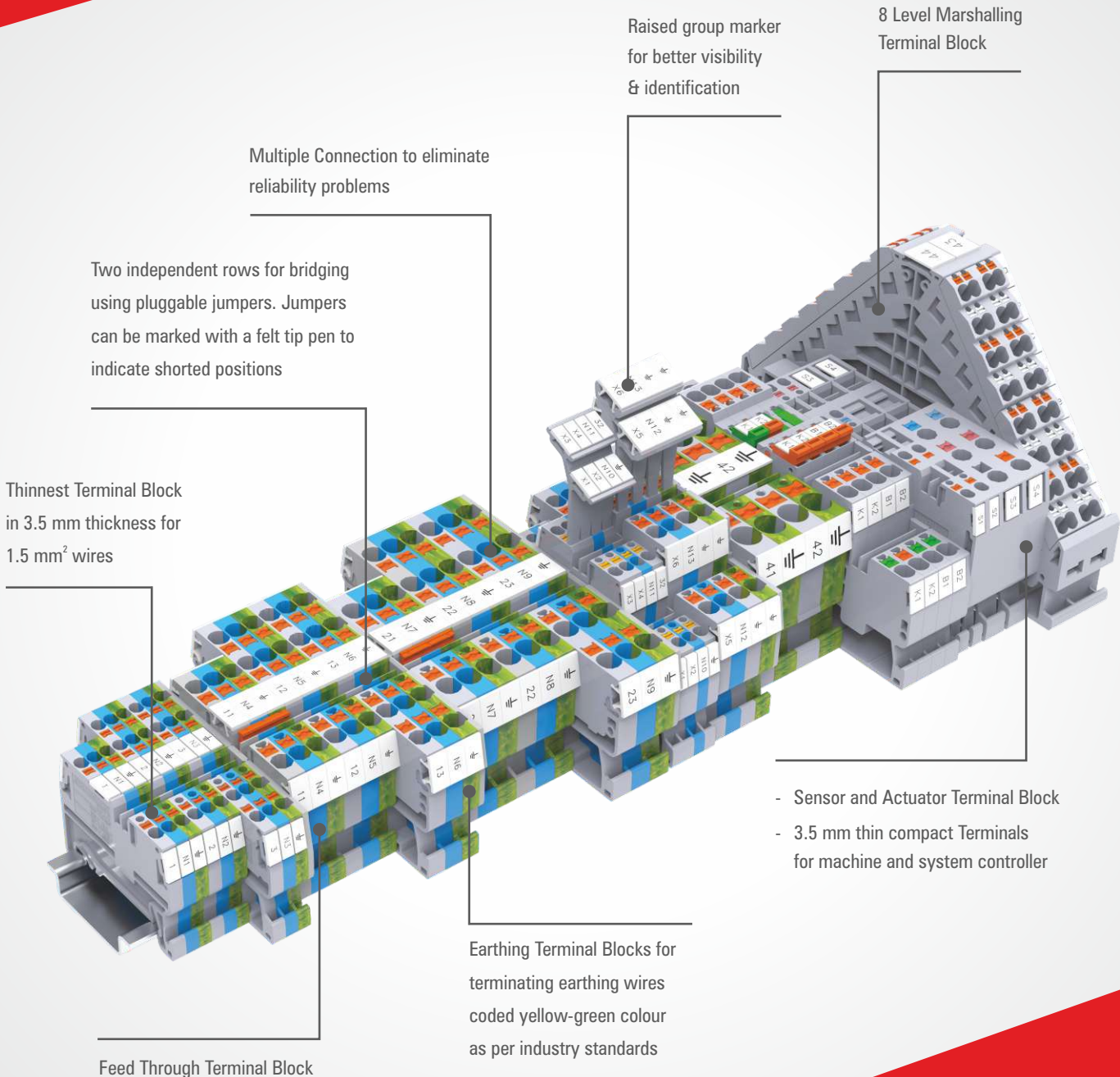
# High Performance CY Series

## Screw Clamp Terminal Blocks

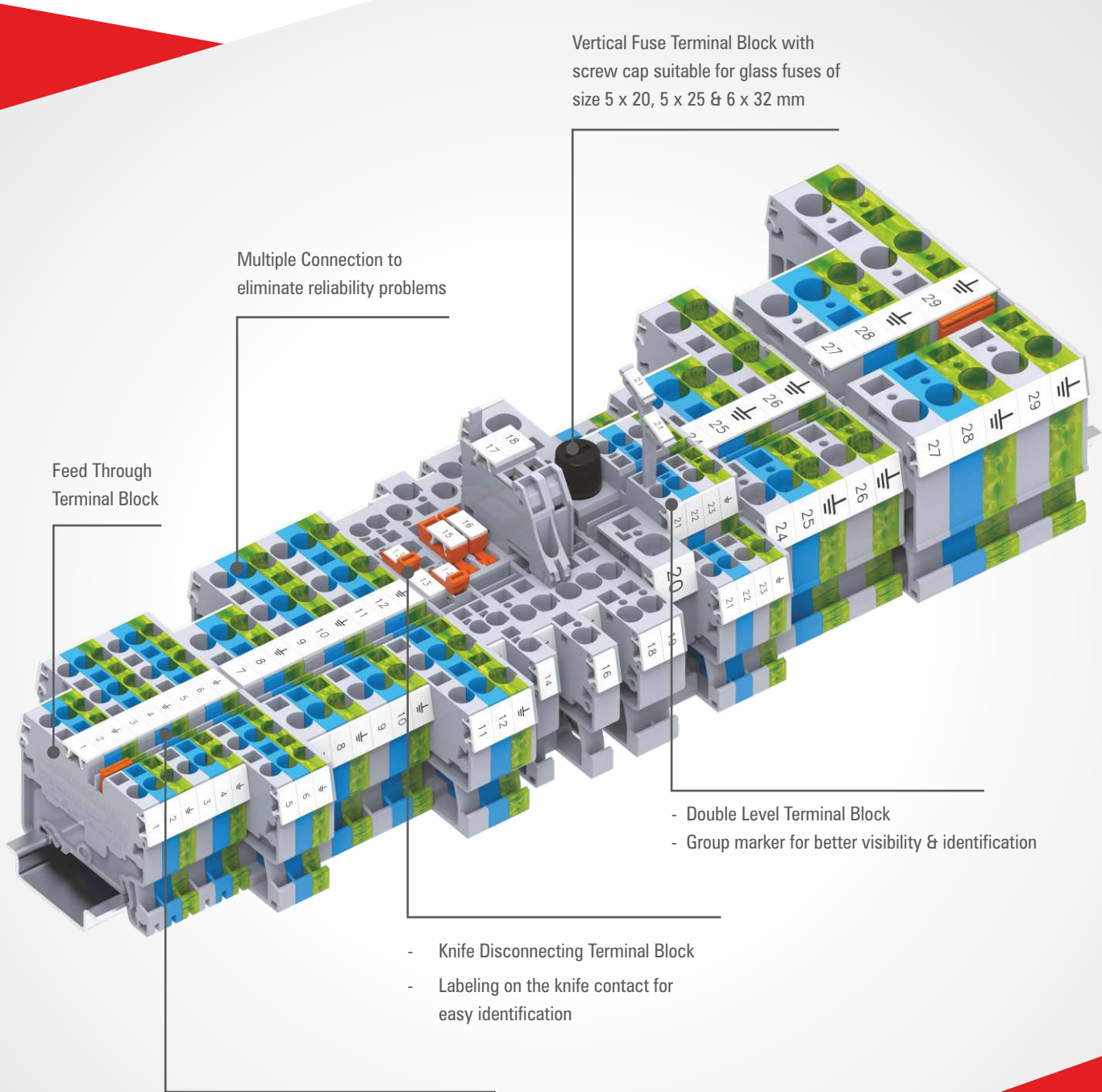




# CP Series PUSH-IN Terminal Blocks



# CX Series Spring Clamp Terminal Blocks



Vertical Fuse Terminal Block with screw cap suitable for glass fuses of size 5 x 20, 5 x 25 & 6 x 32 mm

Multiple Connection to eliminate reliability problems

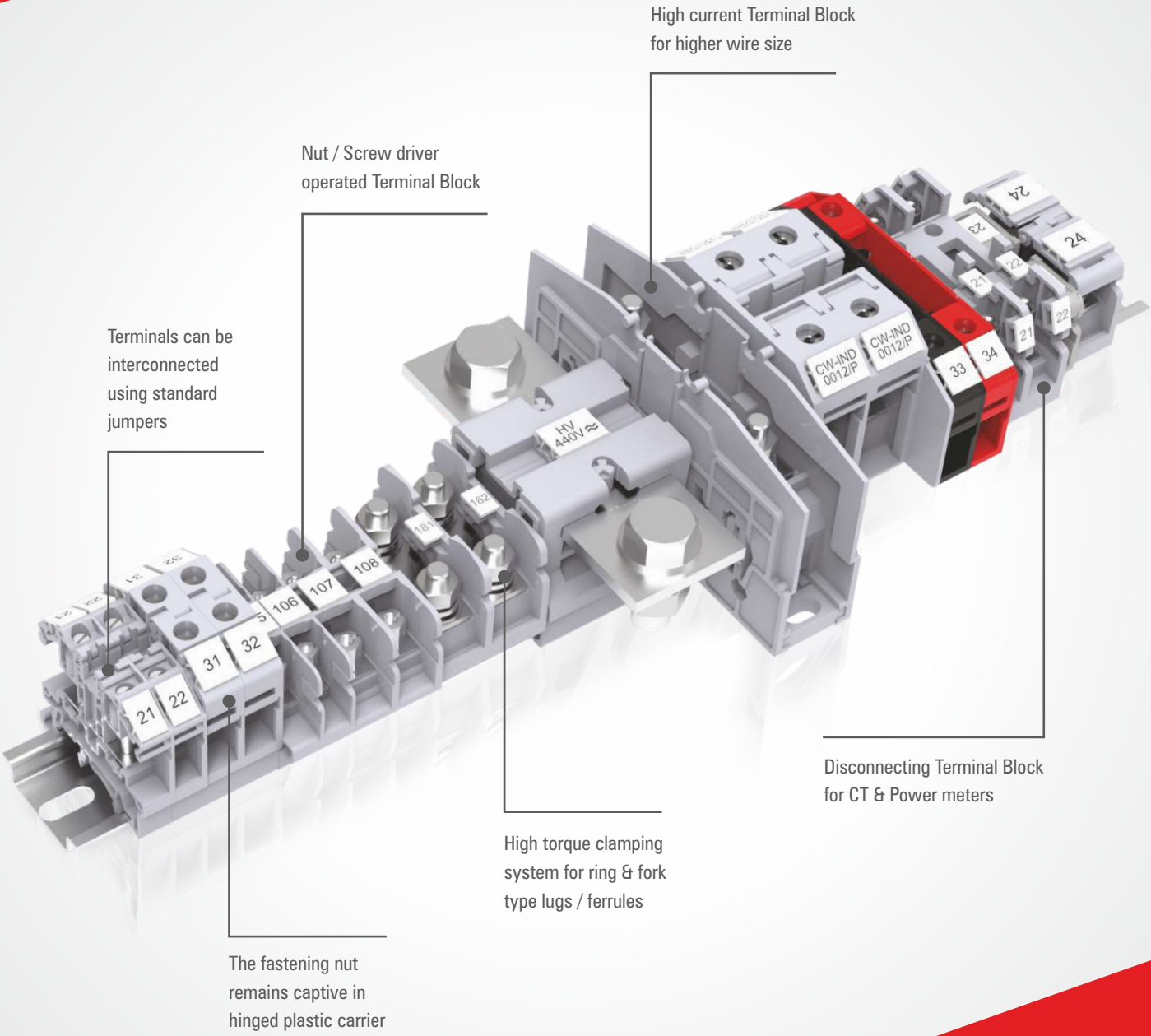
Feed Through Terminal Block

- Double Level Terminal Block
- Group marker for better visibility & identification

- Knife Disconnecting Terminal Block
- Labeling on the knife contact for easy identification

Two independent rows for bridging using pluggable jumpers. Jumpers can be marked with a felt tip pen to indicate shorted positions

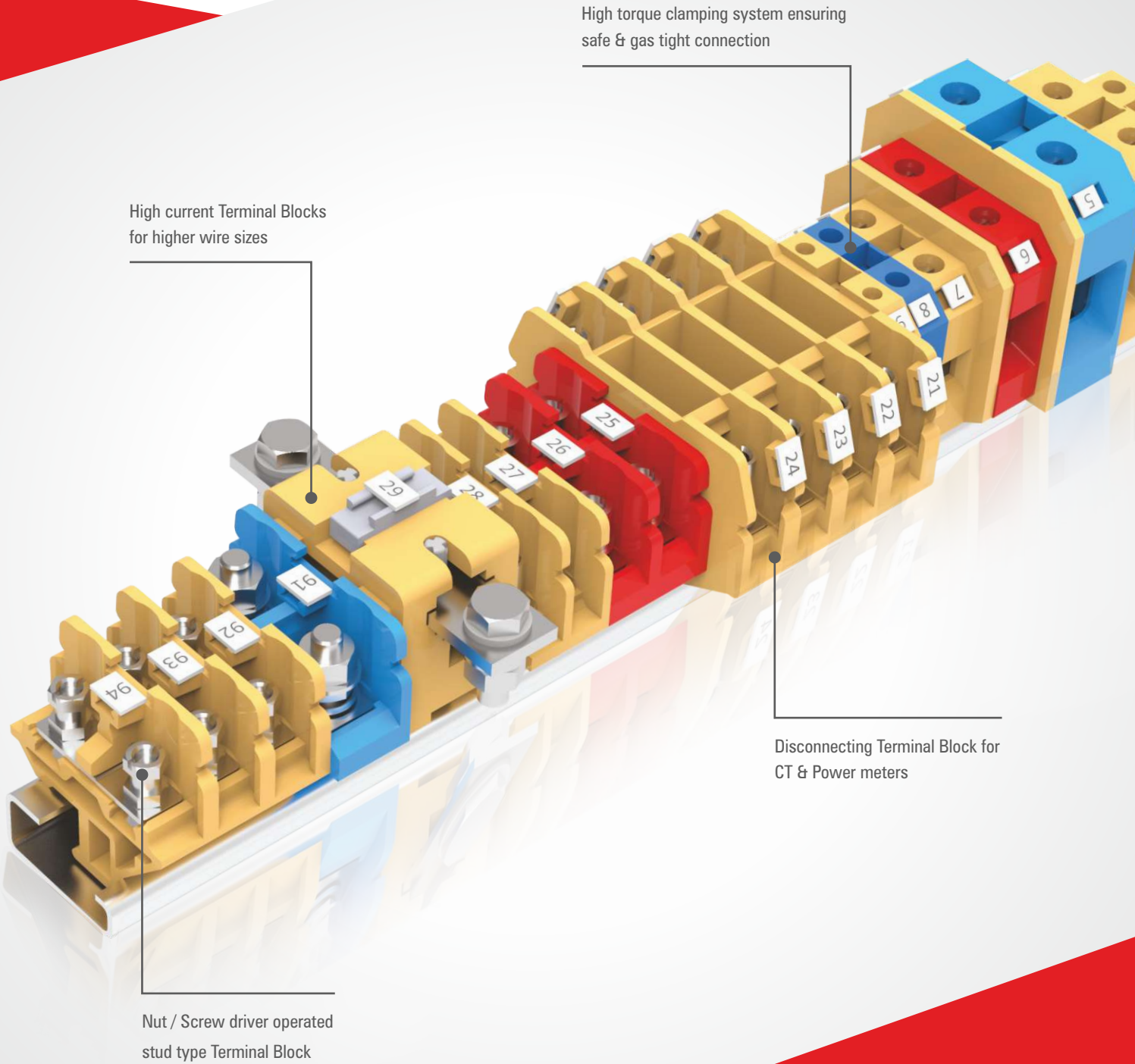
# STUD / BOLT TYPE Terminal Blocks





# MELAMINE

## Terminal Blocks



High torque clamping system ensuring safe & gas tight connection

High current Terminal Blocks for higher wire sizes

Disconnecting Terminal Block for CT & Power meters

Nut / Screw driver operated stud type Terminal Block





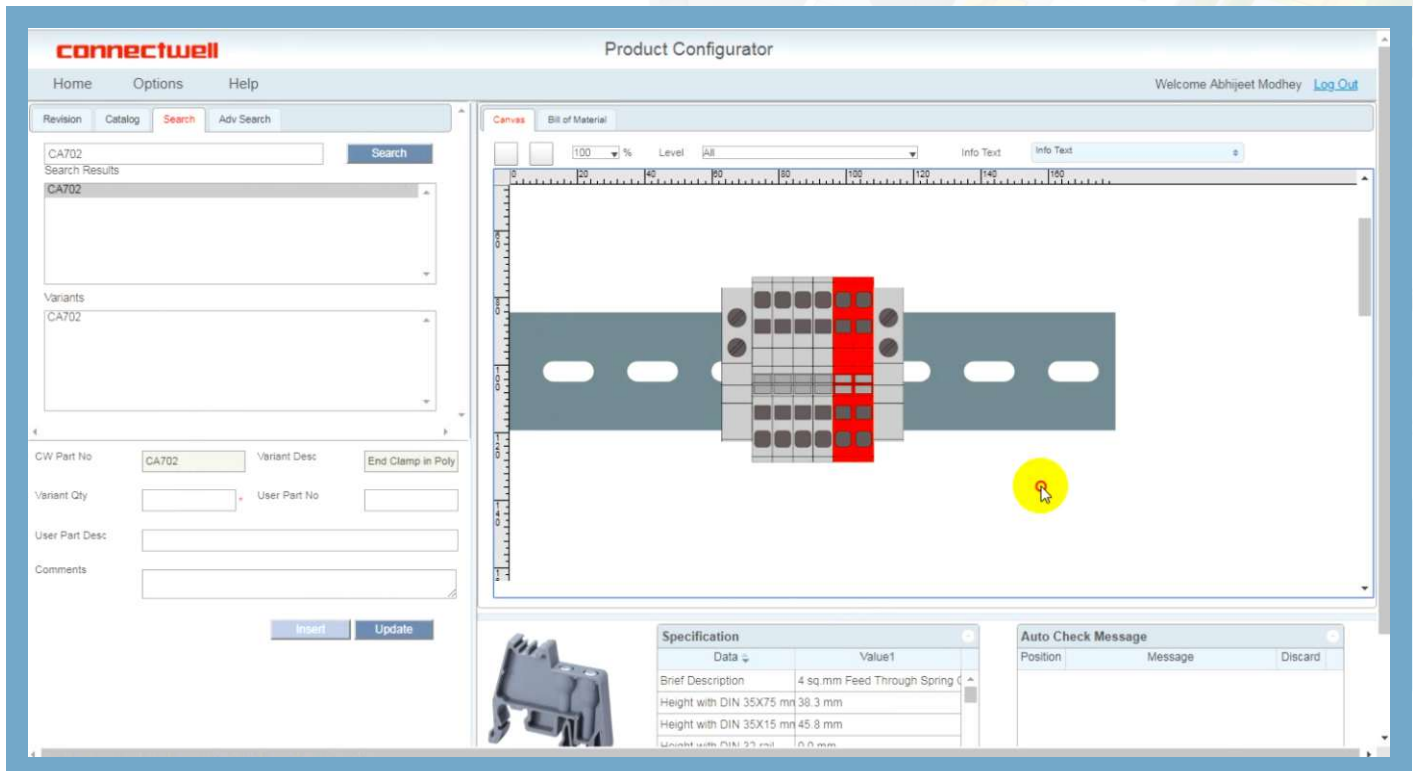
# VIRTUAL **config**

DESIGN

DOCUMENT

MANUFACTURE

DELIVER



- > Free online tool for Terminal Block configuration
- > Easy to use software, menu driven, no CAD licencing required
- > 2D & 3D output drawing generation
- > Complete BOM documentation
- > Short manufacturing lead time
- > Standardized packaging for configured rail assemblies

<http://www.connectwell.com/Global/product-configurator.aspx>



# CONNECTWELL

is available on **ePLAN** Data Portal

Get started on the path to improving the engineering design times, costs and quality for Electrical, Instrumentation & Control Systems

Quick Start

Flexible Layout

Safe Planning

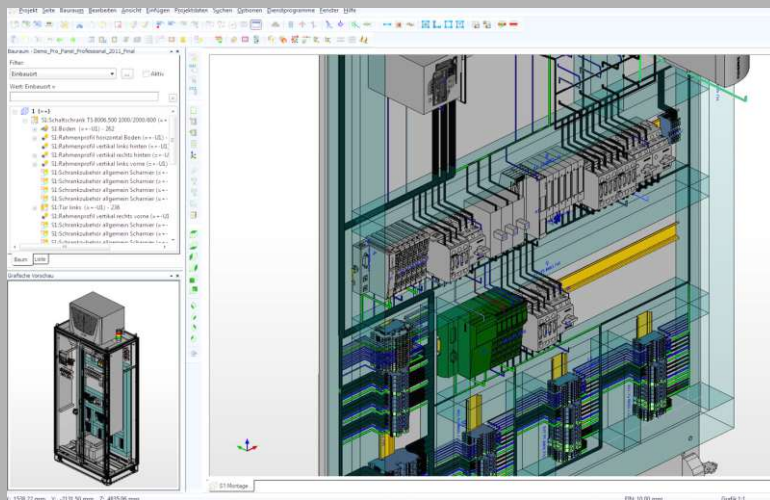
Consistency for Lively Exchange



Directly into (NC) production

Wiring made easy

Top Class Workflow



## What is ePLAN Data Portal ?

ePLAN software & services is one of the world leading service providers for developing CAx configuration and Mechatronics solutions.

ePLAN offers electrical engineering design software that provides innovative options for the planning, documentation and management of electrical design projects with nearly 7,80,000 device data from more than 200 manufacturers integrated within the ePLAN data portal.



# SOLUTIONS FOR ELECTRICAL INDUSTRY

## Solutions for Transmission & Distribution Industry

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Worldwide Electrical grids, including their automation and communication technology, are being modernized and upgraded. Terminal Block solutions from Connectwell are enabling system builders in the field of Transmission and Distribution technology to further enhance their product offerings. An expanded product portfolio of Bolt / Stud Type Terminal Blocks gives Switchboard Panel designers more flexibility while adhering to stringent Utility specifications. Current Transformer Terminal blocks in different connection technologies ensures safe and reliable system testing and calibration.



## Solution for Conventional Power Generation

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Conventional Power plants still remain the backbone of most of the Energy grids in both developed and developing countries. With renewed pressure on efficiently using natural resources, for running these traditional power plants, utilities are constantly updating and upgrading their control systems for running these Conventional Power plants. New solutions, like the High Performance CY Series Terminal Blocks, enable System Integrators to maintain legacy systems like screw connections while reaping the benefits of added features to improve safety and reliability. Product solutions like the Next Generation Cable Drag Chains, benefit material handling equipment suppliers at these conventional power plants.

## Solutions for Renewable Power Generation

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Wind and Solar Power systems are reshaping the global landscape in Energy Generation. New product solutions from Connectwell enables plant operators and system builders to keep upto date with the rapidly changing standards. New CHV series 1500 VDC certified terminal blocks follow the latest IEC guidelines and are suitable for next generation large scale Solar Power plants and rooftop installations. Our line of Heavy Duty Connectors and CX series "Pluggable" Terminal Blocks offer quick and reliable solutions in Wind Power Installations.



# SOLUTIONS FOR PROCESS INDUSTRY

## Solutions for Continuous Process Plants

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Systems in Continuous Process plants are often operated for years together without stoppages. This also means that there is a constant need for expansion, modernization and rebuilding of these plants. Connectwell has a robust Product Lifecycle Management Program (PLM System) in place to address these challenges. Also specialized Terminal block solutions like the 8 Level Marshalling Terminal Block system enable System Integrators to ease out their Marshalling requirements.



## Solutions for Oil & Gas

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Oil & Gas Production, Processing and Transport are extremely critical processes entailing harsh environmental conditions. Needless to say most of these installations are classified as Hazardous locations with different zone requirements. Connectwell has extensive product lines which meet and surpass requirements of the Hazardous Location environments. ATEX, IECEx, InMetro and AEx certifications of Terminal Blocks and Cable Glands product categories enable system builders in the Oil & Gas Industry to build compliant and efficient Electrical Control systems.

## Solutions for Chemicals and Pharmaceutical Industry

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Chemical and Pharmaceutical Industries are under constant pressures from rapidly changing market requirements. In order to respond to these quick changing scenarios, these industries rely on robust CAD systems in the field of Electrical Engineering. Connectwell products are listed on standard ECAD platforms like ePlan which is a standard design system deployed in most of these industries. The "Virtual Config" product configurator solution from Connectwell enables System Integrators to easily build DIN Rail configurations and get quick visualization in 3D with clear Bill of Materials for ordering.



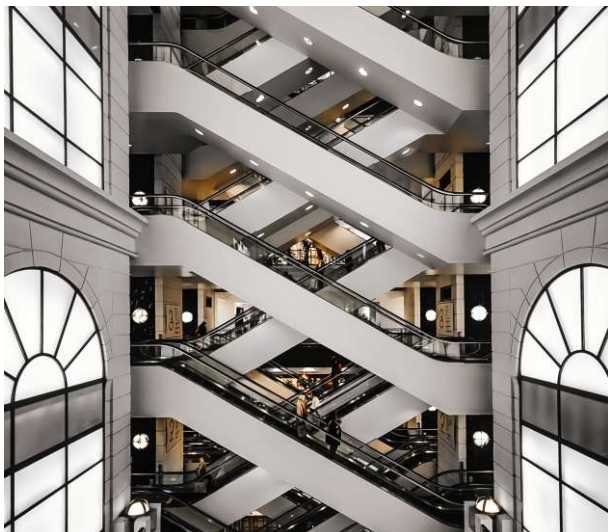


# SOLUTIONS FOR MANUFACTURING INDUSTRY

## Solutions for Machine Building

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Machine and equipment builders are under constant pressures from rapidly changing market requirements. In order to respond to these quick changing scenarios, these industries rely on robust CAD systems in the field of Electrical Engineering. Connectwell products are listed on ECAD platforms like ePlan which is a standard design system deployed in most of these industries. The "Virtual Config" product configurator solution from Connectwell enables System Integrators to easily build DIN Rail configurations and get quick visualization in 3D with clear Bill of Materials for ordering. The advance CX Spring Clamp Terminals and the Next generation CP series Push In terminal blocks are an ideal choice for quick and hassle free installations and also offer maximum protection against vibrations.



## Solutions for Building Infrastructure

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Modern residential and commercial buildings deploy advanced control systems for efficiency gains. Connectwell's CX series Pluggable Terminal Blocks are an ideal choice for Elevator and Escalator manufacturers. They allow easy field connections within constrained environments like Elevator shafts. In the field of HVAC, the Classic CTS Series and the High Performance CY series Screw Clamp Terminal blocks with its broad product offering allows users to build optimum configurations. Heavy Duty connectors and CPS series conduits and its accessories are extensively used for cable harnessing solutions.

## ODM Solutions

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Connectwell also extends its expertise in Connection and Automation technology to offer various customized solutions in the field of Electrical and Electronics engineering. Equipment and Device manufacturers can not only avail of our R&D services for special projects, but they can also benefit from Connectwell's vast expertise in Tooling, Plastic Injection Moulding and critical Metal processing technologies. Connectwell's project management team will collaborate and hand hold customers through the complete project life cycle.





# SOLUTIONS FOR TRANSPORTATION INDUSTRY

## Solutions for Rail Transportation - Signalling systems

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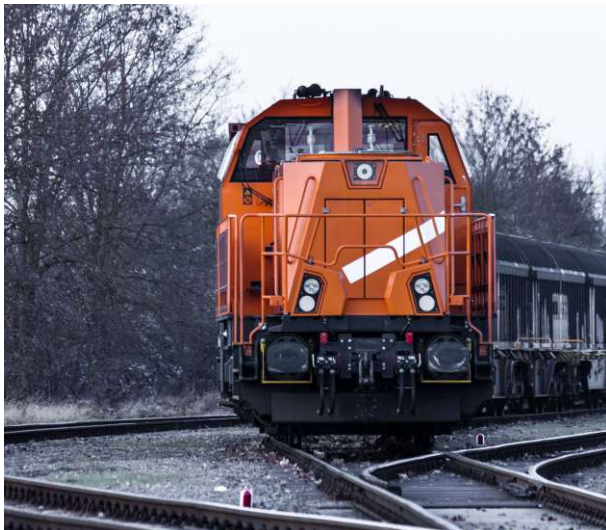
Signaling systems are the backbone of safety systems deployed throughout the Rail Transportation network. Safe and Reliable Terminal block solutions are essential for the accurate functioning of these systems. Connectwell's highly reliable CX series Terminal blocks have been extensively used in advanced Signaling solutions. Most of these installations are subject to extreme weather and vibration conditions. Especially designed CX series Knife Disconnect Terminal Blocks have been in use for more than a decade in installations all across India and around the globe.



## Solutions for Rail Transportation - Locomotives and Coaches

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Electrical Installations within Trains demand strict adherence to regulations especially in the field of Fire Safety and Electrical Hazards. Connectwell uses materials compliant with EN45545 standards for flammability class which is an essential norm for ensuring human safety. Our PTB series heavy duty Terminal blocks are an ideal choice for heavy power connections in locomotives. CX Series pluggable terminal blocks facilitate quick harnessing solutions for lighting and information systems inside coaches.

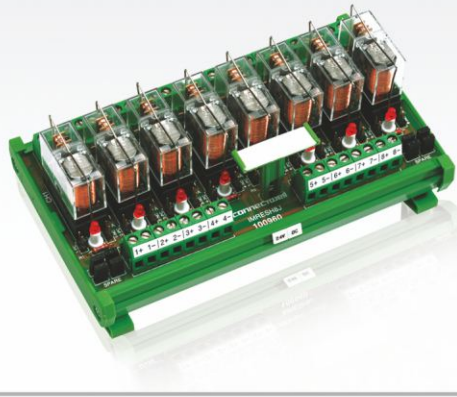
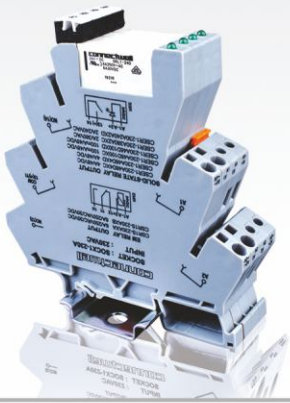


## Solutions for Marine Industry

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Connectwell has an extensive product offering for the Ship building industry. Whether it is Tank Ballast & Cargo management or Bridge and Cabin Automation, Connectwell's highly reliable CX Spring Clamp Terminal block portfolio provides the right connection technology solution. The pluggable CX series Terminals offer quick harnessing solutions. With standard third party product certifications from Lloyd's Register and Bureau Veritas, Connectwell's CX series Terminal blocks guarantee reliable and safe performance in extreme marine conditions.





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