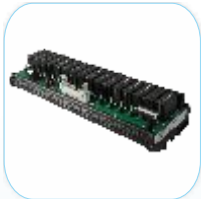
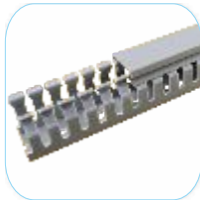
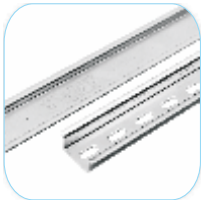
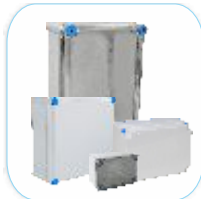


# PRODUCT RANGE



- Electrical Industrial Components
- Electronic Components
- Solar Solutions
- Customised Solutions

# ORGANISATION

Trinity Touch is a leading product manufacturer and solutions provider for Industrial Electrical applications. We supply our high quality products and solutions to various industries such as panel builders, machine builders, renewable energy & telecom to name a few.

Trinity Touch has two Business Areas, Cabinet Plus (for electrical & electronics components) and Solutions (Solar Solutions, Wind Solutions, Telecom Solutions etc.) that have become technology or market leading in their respective areas of application.

We have a national and global presence to service the needs and requirements of our customers and are exporting our products to over 20 countries.

## Solutions

Trinity Touch provides market leading electrical solutions for various application. We have technology and market leading solutions for industries such as Solar, Wind, Railways & Telecom. In the Solar Industry, we have supplied over 17.5 GWp worth of solutions worldwide.

## Products

Trinity Touch focuses on manufacturing various items used in control cabinet industry. Trinity Touch is one of the leading manufacturers of industrial grade Enclosures, Cable Glands, Wiring Ducts and DIN rails, Interface Modules, Timers to name just a few in the control cabinet industry. We have many prestigious clients for these products including leading System Integrators, Panel Builders, Machine Builders and Industrial Corporations globally.

## Approvals



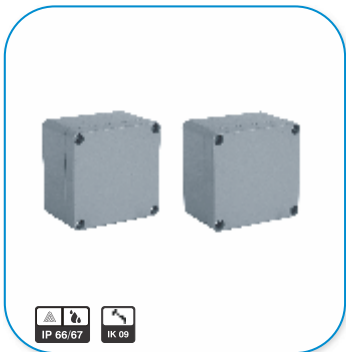
# Products

## TRIBOX<sup>®</sup>



### Thermoplastic Enclosures

- Dimensions of enclosures range from 85x83x60 mm to 600x600x225 mm.
- Available in 40 Sizes in Basic Series & Heavy Series
- Cover available are opaque or transparent.
- High quality ABS and Polycarbonate material.
- High quality gasket.
- Excellent insulating properties.
- Accessories: Hinged door lock, Mounting plate & Mounting clamps.



### Aluminium Enclosures

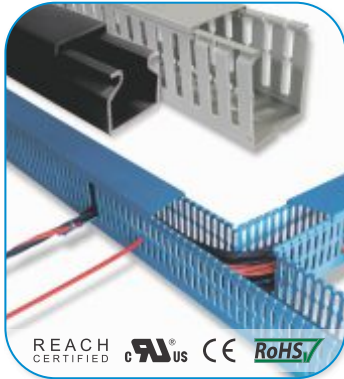
- Material : Aluminium.
- Color : RAL 7001 / RAL 7035.
- Cover Screw : Stainless Steel.
- EMC coating also available.
- Available in 7 Sizes
- IP 66/67.







### FRP Enclosures

- Non-corrosive.
- Non-conductive.
- Light weight.
- High Strength
- Customizable
- Weatherproof
- Easy to modify & longer life cycle compared to steel.
- Rigid design with back panel inserts plus stainless steel mounting brackets and a gasket system encased in a continuous channel on the cover.
- Available in 10 Sizes.

## Wiring Ducts



### PVC Wiring Ducts

- UL 94 flammability rating V0.
  - Continuous use temperature 50°C (122°F).
  - Wrap proof rigid PVC with lead free material.
  - Mounting hole pattern according to DIN 43659.
  - Wide range from 25x25 mm up to 150x100 mm.
  - Available in 1mtr./2mtr. standard lengths.
  - Available in Narrow slot, Wide slot and Unslotted (Solid wall) type.
  - 31 Sizes Available in Narrow Slot , Wide Slot & UnSlotted (Solid wall) type
  - Available in all colors (Stocked in 4 colors).
- |   |                 |   |                  |
|---|-----------------|---|------------------|
|  | Blue (RAL 5015) |  | White (RAL 9016) |
|  | Grey (RAL 7042) |  | Black (RAL 9005) |



### Halogen Free Wiring Ducts

- Raw Material UL Certified.
- UL 94 flammability rating V0.
- Unique Low Smoke Zero Halogen (LSZH) material.
- Continuous use temperature 95°C (203°F).
- No Bromide, No Chlorine & No Fluorine.
- 20% Light weight than to PVC.
- Higher tensile & impact strength.
- DIN 43659 standard mounting holes.
- Available in Narrow slot, Wide slot and Unslotted (Solid wall) type.
- 28 Sizes Available in Narrow Slot , Wide Slot & UnSlotted (Solid wall) type
- Conform to: EN 50085-2-3, DIN 43659.
- Color: Silver Grey (RAL 7035).



### Tools & Accessories

- Tools:
  - Wiring Duct Cutting Tool.
  - Rivet Installation Tool.
- Accessories:
  - Rivet.
  - Mounting Clips-Round.
  - Mounting Clips-Rectangular.
  - Wire Retainer & Tag Holder.
  - Wall Divider / Separator.

## Cable Glands



### Cable Glands-Nickel Plated Brass

- Complete range of sizes.
- Wide sealing and clamping range.
- Easy to install.
- Integrated anchorage.
- Metric and Pg thread available.
- Available in Normal, EMC & Combination type.
- 8 Sizes Available in Metric Standard Thread & Long Thread
- 10 Sizes Available in Pg Standard Thread & Long Thread
- 8 Sizes Available in EMC Standard Thread & Long Thread



### Cable Glands-Polyamide

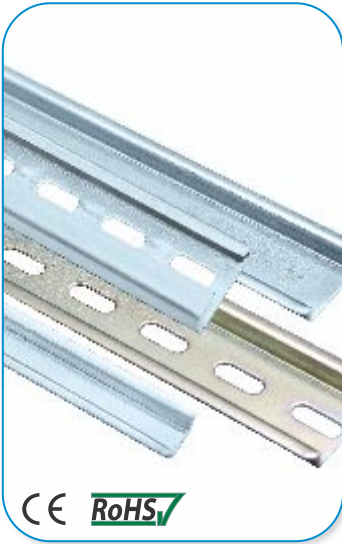
- Complete range of sizes.
- Wide sealing and clamping range.
- Easy to install.
- Integrated anchorage.
- Metric and Pg thread available.
- Silver Grey, Light Grey and Black color.
- 8 Sizes in Metric & 10 Sizes in Pg Thread Available in Silver Grey Color.
- 8 Sizes in Metric & 10 Sizes in Pg Thread Available in Light Grey Color.
- 8 Sizes in Metric & 10 Sizes in Pg Thread Available in Black Color.



### Accessories-Nickel Plated Brass & Polyamide

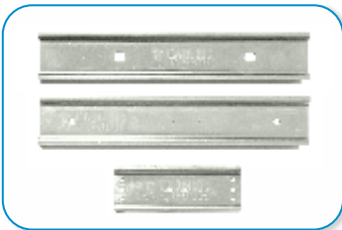
- Locknuts.
- Enlarger.
- Reducer.
- Screw Plug.
- Blanking Plug.
- Dust Cap.
- Sealing Grommet.
- Multiple Sealing Inserts.

## DIN Rails



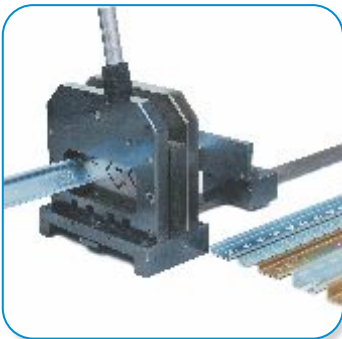
### DIN Rails-Perforated & Un-Perforated

- The design of the DIN rails complies with European standard EN 60715.
- Available Sizes: 15/5.5, 35/7.5, 35/15, 32/15.
- Available in 1 Meter & 2 Meter Standard Length.
- Particular attention has been paid to a high degree of dimensional accuracy and surface tempering.
- All DIN rails are also available cut to length.
- The DIN rails are available with various surface coatings and are suitable for the following installation:
  - White passivated plus zinc plated, for indoor installation.
  - Thick layer passivated plus zinc plated, for indoor and protected outdoor installation.
  - Made of copper may be used as grounding bus bars (PE function) as well as neutral bus bar (PEN function).
- Available for M4, M5, M6 screw width.



### Customised DIN Rails

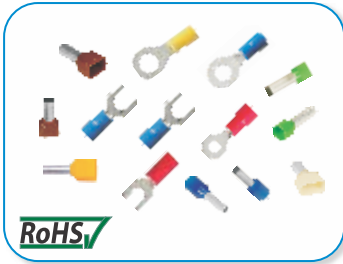
- For pre design mounting of MCB.
- For pre design mounting in custom enclosure.
- For customised fastener.



### Universal DIN Rail Cutter

- Long life of punch and side plates.
- Nickel-chrome plated handle.
- Ease of operation.
- Cuts in flash and without burr or deformation.
- Guide plate facilitates insertion of profile and provides rail support.
- Direct reading rail length indicator (Scale).
- Common cutting die for 32/15, 35/15, 35/7.5, 15/5.5 DIN Rails as well as neutral busbars NLS CU 3/10.

## Solderless Terminals



### Insulated Terminals

- Ring Type Terminals.
- Spade Type Terminals.
- Cord End Terminals.
- DIN Terminals.
- 23 Sizes available in Ring Terminals.
- 17 Sizes available in Spade Terminals.



### Non-Insulated Terminals

- Ring Type Terminals.
- Spade Type Terminals.
- Cord End Terminals.
- Tubular Type Terminals.
- 33 Sizes available in Ring Terminals.
- 17 Sizes available in Spade Terminals.



### Connectors & Disconnectors

- Butt & Parallel Type Connectors.
- Male & Female Disconnectors.



### Accessories

#### Crimping Tools

- Material : High conductivity copper material with tin plating for corrosion resistance.
- Insulation : Vinyl (PVC Insulation).
- Available in standard crimping length (Cord End) and stud sizes (Ring Type).

## Flexible Conduits

**FLEXICON**  
 FLEXIBLE CONDUITS & ACCESSORIES


### Non-Metallic Conduits

- FPAS/FPAL - standard & lightweight nylon flexible conduit.
- FPR/FPAH/FPI/FPIH - standard & heavy weight nylon flexible conduit.
- FPY/FPADS/FPP - polypropylene, nylon & slit flexible conduit.



### Metallic Conduits

- FU/SSU - flexible steel conduit & fittings.
- FSU/FNU - flexible coated steel conduit & fittings.
- LFHU - flexible coated steel conduit & fittings.
- FSB - flexible coated steel conduit with overbraid & fittings.
- FB - flexible steel conduit with overbraid & fittings.
- LTP/LTPHC/LTPUL - liquid tight flexible coated conduit & fittings.



### Accessories

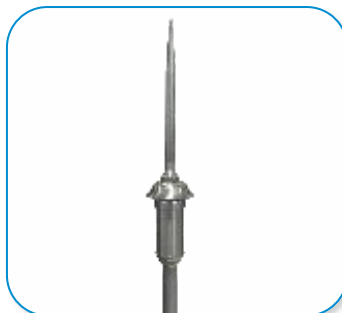
FPA system nylon

Construction: Nylon (PA 66) moulded fitting.

Color: Black (RAL 9005) or Grey (RAL 7031).

- FPA: Straight external thread.
- FPA 90: 90° elbow external thread.
- FPA 45: 45° elbow external thread.
- FPA-FPA: Coupler.
- FPA: T piece with inspection lid.
- FPA: Reducing divider.
- FPAX fittings also available with IP 69K rating.
- FLK Flexilok fittings also available.

## External Lightning Protection System



### Radius of Protection

**TRIPRO**

The Early Streamer Emission (ESE) TRIPRO lightning conductor has been tested in laboratories in compliance with NF C 17-102 standard protocol. Can cover protection radius of upto 107 meter.

These tests have determined an excitation advance from 12µs to 60µs with regard to a simple rod.

### Applications:

- Industries • Buildings • Solar Farms
- Open-Air Installations • Telecommunications



# Electronic Components



## Interface Modules

- Modules with Electromechanical Relay with AC and DC Input in 16, 8, 4, 2 and 1 channel with 1C/O, 2C/O and 4C/O.
- Modules with Solid State Relay with AC and DC Output in 8 and 4 channel.
- Option available with Fuse and Fuse Blow Indication at output in EMR and SSR modules.
- Passive Module with FRC/D-Sub/ELCO/RJ45 connector.
- Accessory Module: Utility Module, Potential Distribution Module, Diode O-ring Module.
- DO/DI Module with FRC/D-Sub connector.
- CNC Module with 24 Inputs and 16 Outputs.
- Modules are available in Green and Black profile.
- EMR modules are available with OMRON, TYCO & OEN relays.
- SSR modules are available with UNISON & CRYDOM relays.



## Analog Timers

- Multi Function
- ON Delay / Interval
- Cyclic ON-OFF
- Reverse Pause Forward
- Star Delta
- True Power OFF Delay



## IDEC

- Push Button and Pilot Switches in 16 mm, 22 mm and 30 mm.
- Terminal Blocks.
- Power Supply.
- Interlock Switches.
- Relays.
- PLC & HMI.



## OMRON

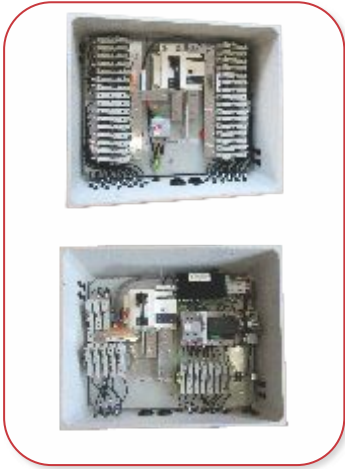
- G2R Series Relay.
- MY Series Relay.
- Power Supply.

## OEN

- 58 Series Relay.
- 26 Series Relay.

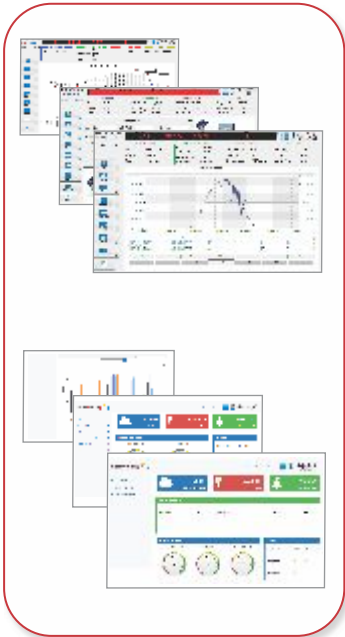
# Solutions

## TRISOLAR<sup>®</sup>



### Solutions for Solar Plants

- Array Junction Box.
- String Combiner Box.
- String Monitoring Box.
- String Monitoring Box 1500V DC.
- ACDB/DCDB.



### SCADA

#### SolarVision<sup>™</sup>

- Modular architecture.
- Analysis of plant, block, inverter & SMB.
- Graphical performance analysis.
- Simple alarm & trend handling.
- Simple report generation & Easy data backup.
- Easy diagnostic for PLC and network.

#### SolarVision<sup>™</sup> CLOUD

- Cloud-based SCADA : you can access plant data, trends, and reports anywhere from internet.
- Compatible with all RS485 / TCP/IP MODBUS inverters, Weather stations & Energy meter.
- Multiple plant generation monitoring capability for operating high number of plants.
- Customised report generation.



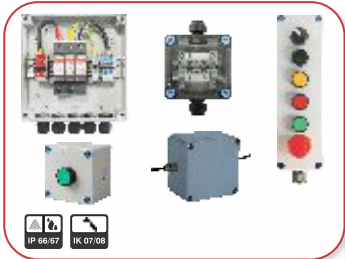
## Solar Components

- **String Monitoring Device** -
  - TRICHECK 8, 16, 24.
  - TRICHECK Modular

## TRISENSE

- Weather Sensors** - (Irradiance, Wind speed, Wind direction, Ambient temperature, Module temperature, Relative humidity, Precipitation)
- Kipp & Zonen Pyranometer.
  - Luft Weather Sensors.
  - Irradiance Sensors.

# Customised Solutions



## Customised Solutions with TRIBOX<sup>®</sup>

- Push Button Box.
- Emergency Stop Box.
- Surge Protection Box.
- Terminal Box.
- Plug & Socket Box.
- Solutions for hazardous area.



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