

“SAMTULAS POWERTECH CO.”, is a leading manufacturer, supplier & Exporter of all types of electrical control products. Our products are engaged in MCB, MCCB, Cables, Energy Meters, power control panels, MCC panel, APFC panel, AC/DC drive-based panel, cable ladders, cable trays & Junction etc.



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TABLE OF CONTENT

➤ ABOUT	03
➤ STRATEGY AND IMPLEMENTATION	04
➤ OUR PRODUCTS	05
➤ MCB	06
➤ CONDUIT	07
➤ CABLES	08
➤ ENERGY METER	09
➤ RELAY CARD	10
➤ CABLE TRAY	11
➤ EARTHING	12
➤ MISCELLANEOUS (I)	13
➤ MISCELLANEOUS (II)	14
➤ MISCELLANEOUS (III)	15
➤ CONICAL & PLAIN WASHER NUT & BOLT	16
➤ RMU	17
➤ TRANSFORMER	18
➤ MISCELLANEOUS (IV)	19
➤ SERVICES – CABLE LAYING & TERMINATION	20
➤ SERVICES – LV WORK	21
➤ SERVICES – BOARD WIRING	22
➤ SERVICES – CABLE TRAY INSTALLATION	23
➤ PANELS	24
➤ BATTERY CHARGER (FCBC)	25
➤ VIBRATION TRANSMITTER	26
➤ SUMMARY	27



ABOUT

We wish to introduce ourselves briefly in following paras, providing an insight to the strengths and expertise of our company, which will assist you in identifying fields/areas and locations where we can render our services.

“SAMTULAS POWERTECH CO.” has been established in the year 2017 & is located in Mumbai.”

We are dealing with Contractors, Builders, Traders & Industrial Users.

Supplier chain for Siemens/Schneider/L&T/Teknic/Havells/China-India/Anchor Panasonic/Penta/Polycab/RR/Finolex/Dowells/Legrand/Hager etc.

We have a huge stock of the material readily available at all times.

We are committed to securing the safety of all, and we will provide the necessary resources, structures and procedures, which are required to honour that commitment.

The building of mutually beneficial relationships both internally and externally that stand the test of circumstances and time.

By listening to our customers and responding to their needs we seek to add value and exceed their expectations.

Being prepared to dedicate time and energy to fulfil obligations in the pursuit of the group’s objectives.

The pursuit of outstanding qualities and outcomes.

The demonstration of the above values in adherence to the code of conduct.

Rules or standards governing the conduct of a business.



STRATEGY AND IMPLEMENTATION

SAMTULAS POWERTECH CO. STRATEGY IS SIMPLE AND AMBITIOUS. WE BELIEVES THAT WE WILL BE SUCCESSFUL MARKETING OUR SERVICES TO THE MANY BUSINESS WOMEN IN THE AREA. CURRENTLY, SAMTULAS POWERTECH CO. IS THE ONLY WOMEN-OWNED ELECTRICAL CONTRACTING FIRM.



OUR PRODUCTS

MCB, MCCB, ELCB, RCCB

MCB Box, DB Box GI/PVC Conduit & Accessories

Cable - All types

Cable Tray - All Types Energy Meter

Panels - All Type

Earthing Materials Solar System

RMU & Transformer LV System - All types

Kitkat Fuse

Terminal Block

Energy Meter

➤ Manufacturing:-

MCB, MCCB, Cable Tray, Panels, Conical Washer, Plain washer, Nut & Bolt, Flooring Box, Kitkat Fuse, LED Driver, Cables, Conduit.

➤ Supply (Wholesaler & Exporter):-

Relay Card, Digital Meter, MCB(Branded), Cables (Branded), RMU, Transformer, Motor, Battery, Gland, Lugs, Gun Metal Valve, Marker, Terminal Block, SPD, SMPS, Voltage Stabilizer, Insulator, Conduit (Branded), Rectifier, Buchholz Relay, LED Driver (Branded).

➤ Automation:-

Supply & Export of all types in Electrical Automation Products.



MCB

MCB's for AC Applications till 63A

Ø 10kA ISI marked as per IS/IEC 60898-1 2002

Ø Integrated label holder

Ø Sliding bottom clamp

Ø Efficient air channels

Ø Colour coded On/Off indication on dolly

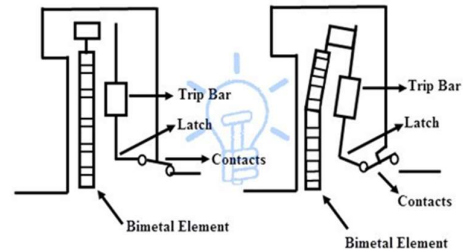
Ø Biconnect lower terminals

Ø IP 20 protect terminals

Ø Sliding shutters

Ø Compatible with signal & control Auxillaries

Ø DC-80 V per pole-1 kA.



Make:- SANTULAS, Siemens, Legrand, Havells, L&T, Schneider, Hager.



CONDUIT

Conduit pipes for electrical wiring are best suited electrical pipes for house wiring, they have various properties like lightweight, flame retardant, high tensile strength, and maintenance-free.



PVC Conduit

GI Flexible



Advantages

Allows adding new wiring to an existing building without removing or cutting holes into the drywall, lath and plaster, concrete, or other wall finish.

Allows circuits to be easily locatable and accessible for future changes, thus enabling minimum effort upgrades

Types:-

Metal

Non-Metal

Flexible

Underground

Cost Comparison



CABLES



Electrical cables are used to connect two or more devices, enabling the transfer of electrical signals or power from one device to the other. Long-distance communication takes place over undersea communication cables. Power cables are used for bulk transmission of alternating and direct current power, especially using high-voltage cable.

An electrical cable is an assembly of one or more wires running side by side or bundled, which is used to carry electric current.

TYPES:-

1. Coaxial 2. Armored 3. Shielded 4. Structured
5. Direct Buried 6. Nonmetallic 7. sheathed 8. Portable Cord
9. Single Cable
10. Flexible 11. Multicore 12. Submersible 13. Twin ax
14. Filled Paired 15. Twin & earth 16. Twin lead
17. Helix Ribbon 18. Twisted



ENERGY METER

An electricity meter, electric meter, electrical meter, energy meter, or kilowatt-hour meter is a device that measures the amount of electric energy consumed by a residence, a business, or an electrically powered device.



Single phase energy meter is used for home appliances.

The single phase energy meter is directly connected between the line and load. It consists of two electromagnets one is the shunt magnet and other is the series magnet and in between these two magnets we are having the aluminium disk.

Three-phase electrical power is a common method of power and distribution in which three conductors each carry AC current of the same frequency and amperage at a more economical and efficient rate than standard single-phase systems. These systems are predominantly used in applications in which more power is required.



RELAY CARD

A relay is an electrically operated switch. It consists of a set of input terminals for a single or multiple control signals, and a set of operating contact terminals. The switch may have any number of contacts in multiple contact forms, such as make contacts, break contacts, or combinations thereof.

Relays are used where it is necessary to control a circuit by an independent low-power signal, or where several circuits must be controlled by one signal. Relays were first used in long-distance telegraph circuits as signal repeaters: they refresh the signal coming in from one circuit by transmitting it on another circuit. Relays were used extensively in telephone exchanges and early computers to perform logical operations.

Application:- Protective

Railway Signalling

Selection Considerations



Terminology:-

SPST-NO (Single-Pole Single-Throw, Normally-Open)

SPST-NC (Single-Pole Single-Throw, Normally-Closed)

SPDT (Single-Pole Double-Throw)

DPST – Double-Pole Single-Throw

DPDT – Double-Pole Double-Throw

Form D

Form E

Types:-

1.Coaxial 2.Contactor 3.Force Guided Contacts 4.Latching 5.Machine Tool

6. Mercury 7. Multi Voltage 8.Overload Protection 9.Polarized 10. Reed 11.Safety

12.Solid State Contactor 13.Static 14.Solid State Relay 15.Time delay

Vacuum.



CABLE TRAY

The cable tray is a brilliantly efficient tool used to manage the mess of wires. With a grounded metal barrier on the road to separate power wiring and data/communication cabling, a single, large cable receptacle (Cable Tray) installation is capable of routing an oversized amount of wiring. It heads off the possibility of a mess of conductors that are difficult to trace when changes are made or to find faults located.



Applications

- Commercial construction.
- Industrial construction.
- In the electrical wiring of buildings, a cable tray system is used to support insulated electrical cables used for power distribution, control and communication.
- Cable trays are used as an alternative to open wiring or electrical conduit systems, and are commonly used for cable management in commercial and industrial construction.
- They are especially useful in situations where changes to a wiring system are anticipated, since new cables can be installed by laying them in the tray, instead of pulling them through a pipe.

TYPES:-

solid-bottom

Ventilated

Ladder

Channel



Cable trays are mechanical support systems that provide a rigid structural system for electrical cables, raceways, and insulated conductors used for electric power distribution, control, signal instrumentation and communication. Metal cable trays are made of galvanized steel, stainless steel, and aluminum.

Non-metallic cable trays are made of glass-fiber reinforced plastic.



EARTHING

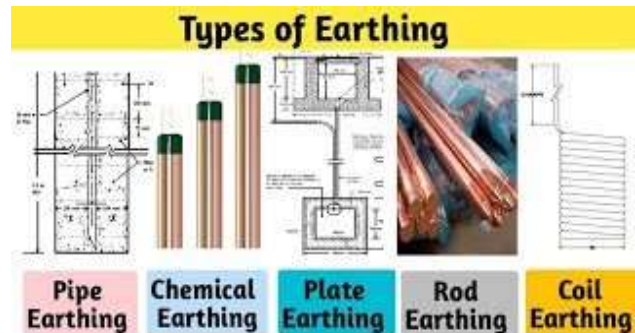
Earthing is defined as “the process in which the instantaneous discharge of the electrical energy takes place by transferring charges directly to the earth through low resistance wire.”



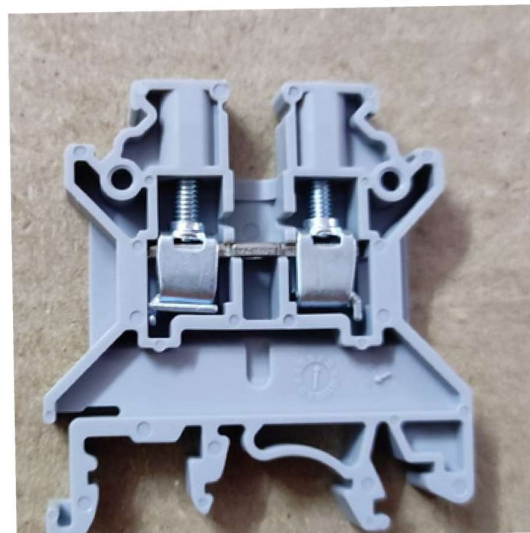
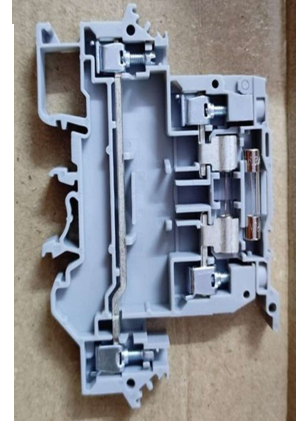
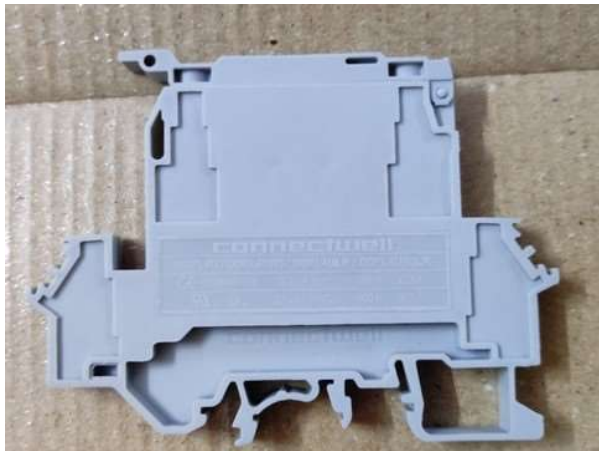
Advantages of Earthing

- Earthing is the safe and the best method of offering safety. We know that the earth's potential is zero and is treated as Neutral. Since low equipment is connected to earth using low resistance wire, balancing is achieved.
- Metal can be used in electrical installations without looking for its conductivity, proper earthing ensures that metal does not transfer current.
- A sudden surge in voltage or overload does not harm the device and person if proper earthing measures are done.
- It prevents the risk of fire hazards that could otherwise be caused by the current leakage.

The primary purpose of earthing is to avoid or minimize the danger of electrocution, fire due to earth leakage of current through undesired path and to ensure that the potential of a current carrying conductor does not rise with respect to the earth than its designed insulation.



MISCELLANEOUS



Kitkat Fuse



Delco Motor



Exide Battery



Gun Metal Valve



Isolation Transformer



Flooring Box



LED Driver



Gland



Relay



Lugs



Buchholz Relay



Metal Panel Board



Rectifier



Insulator





Conical & Plain
Washer Nut & Bolt



RING MAIN UNIT



TRANSFORMER



Voltage Stabilizer



SPD



Hooter



Indicator



Flood Light



Light LED Bulb



Combined Switch & Socket



CABLE LAYING & TERMINATION



We are also engaged in LT Cable Laying & Termination in Ground or Trench, Surface (Clamps, saddles, Spacers) Pipes etc. wherever required along with termination or Straight Joints - both FLP & Non FLP Glanding. These services are rendered by highly skilled professionals.



The work of installation, testing and commissioning of HT & LT cables in trenches, trays and pipes are done in

SAMTULAS POWERTECH CO. We are one of the best service provider in cable laying system. Safeline Elctricals use advanced technology to complete tough task. Our expert technicians perform cable laying in industrial complex and over large distance also perform cable preparation , jointing , testing , termination , maintenance, commissioning and

troubleshooting work. Cable laying services of different capabilities require for low voltage (LV) , medium voltage (MV) and higher voltages(HV) cables are up to 33KV.

SAMTULAS POWERTECH CO. are expertise for high affordable and reliable cable laying, termination & glanding service. Our services constitute laying of cables in buildings, industrial complexes and also over large distances. We are manned by dedicated technicians, who keep a vigil throughout the operation such as cable schedule preparation, jointing,

termination, testing, commissioning, maintenance and troubleshooting tasks.

We are also engaged in taking up various applications of HT / LT power and control cable laying in ground / trench, surface (clamps, saddles, and spacers) HDPE / RCC / GI pipes etc. Wherever required along with trench preparation, cable tray installation, end termination,

straight joints for both FLP & Non FLP glanding. These services are rendered through highly skilled and knowledgeable professionals. In addition to this we ensure that the services are executed with technology and sophisticated equipment.



LV Work

We are also engaged in taking up various applications of HT / LT power and control cable laying in ground / trench, surface (clamps, saddles, and spacers) HDPE / RCC / GI pipes etc. Wherever required along with trench preparation, cable tray installation, end termination,

straight joints for both FLP & Non FLP glanding. These services are rendered through highly skilled and knowledgeable professionals. In addition to this we ensure that the services are executed with technology and sophisticated equipment.

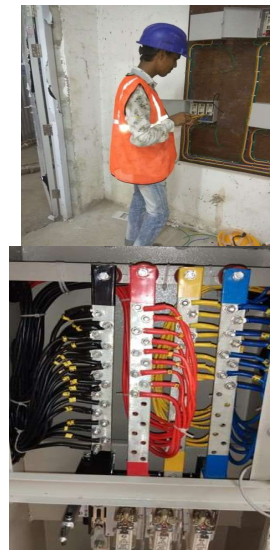


BOARD WIRING

SAMTULAS POWERTECH CO. are expertise for high affordable and reliable Board Wiring Installation, Testing & Commissioning service.

Our services constitute laying of Board Wiring in buildings, industrial complexes and also over large distances.

We are manned by dedicated technicians, who keep a vigil throughout the operation such as cable schedule preparation, jointing, termination, testing, commissioning, maintenance and troubleshooting tasks.



CABLE TRAY INSTALLATION

SAMTULAS POWERTECH CO. are expertise for high affordable and reliable Cable Tray Installation service. Our services

constitute Cable Tray Installation in buildings, industrial complexes and also over large distances.

Cable tray installation can be conducted in a flat building or operating structure. The tray runs under the flooring or walkways. However, the tray can be installed vertically or around an edge, but this happens in special situations. On a horizontal cable tray system, flat cables are laid and fixed in a group, and on a vertical cable tray system, horizontal cable trays are laid and fixed with 20mm stainless steel strips.

A cable tray system should be fixed onto standard steel shapes and fixed onto a concrete structure with self-drilling dowels. The distance between the cable tray support spacing and fixing points should be a maximum of three meters. The system should also be designed to support a maximum load of 100kg/m.

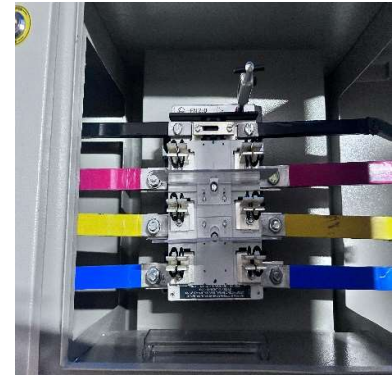


PANELS

A distribution board (also known as panel board, breaker panel, electric panel, fuse box or DB box) is a component of an electricity supply system that divides an electrical power feed into subsidiary circuits while providing a protective fuse or circuit breaker for each circuit in a common enclosure. Normally, a main switch, and in recent boards, one or more residual-current devices (RCDs) or residual current breakers with overcurrent protection (RCBOs) are also incorporated.

Types:-

- Distribution Board
- Fire Fighting
- Heater
- APFC
- PCC
- MCC
- PLC
- Soft Starter



BATTERY CHARGER (FCBC)

The float charger is directly connected to the load & Float cum Boost charger is connected directly to the battery. During normal operation, the Float charger is on and continues to supply the DC load, and the battery is floated with it.



VIBRATION TRANSMITTER

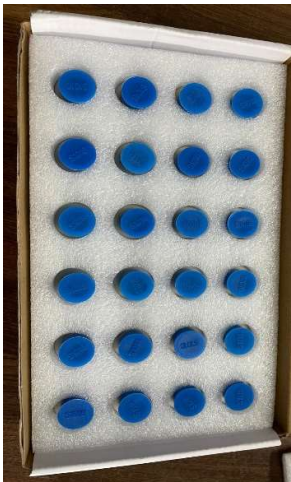
Vibration transmitters are devices that convert vibrations into electrical signals that can be monitored remotely. They are a key part of a vibration measurement system and are used in many devices.

Vibration transmitters are signal conditioning systems that provide a calibrated output from proximity probes to control systems.

Vibration transmitters are used to detect and communicate physical states, such as vibration levels in machinery.

Maintenance teams use vibration transmitters to monitor the condition of machinery, which can help them predict maintenance and avoid unplanned downtime.

Vibration transmitters typically output a 4-20 mA signal. This signal can be integrated with a PLC, DCS, or SCADA system for 24/7 monitoring.



SUMMARY

SAMTULAS POWERTECH CO. Established in the year 2017 at Mumbai, Maharashtra we are a Proprietorship Firm, engaged as the foremost Wholesaler, Exporter and Service Provider of Electrical Terminal, Electric Control Panel, Electric MCB etc.

While specific activities will vary according to the business' category, size and industry, daily job duties might include reviewing sales reports and financials and comparing them to goals set out in short- and long-term plans. After some time, we are then direct activities of sales or production employees to better meet the objectives.

In general, business owners are responsible for the growth, stability, direction and daily operation of the business. Additional job duties for a typical business owner include:

Meeting with service vendors or product suppliers to facilitate delivery Make buying trips to purchase inventory

Creating sales displays Stocking the shelves.

In the middle of a busy workday, a business owner might be perceived as a passionate leader ready to take on the most difficult task. But, while passion and drive can be inspiring, a business demands managerial order to succeed in delivering a product or a service.

Business owners are most likely to share some of the following knowledge:

- Negotiation
- Communication
- General Management
- Finance and Accounting
- Leadership and Team Building
- Strategic Planning

'Whatever you do, be different. Don't try to imitate a human, be more ambitious. Be persevering and trust yourself. Dare and get what you want.'

Proprietor:- Ms. Sampada Ashok Tulsankar (Electrical Engineer)

