

MAA VAISHNO
ELECTRICALS

TPS
TECHNO
POWER SYSTEMS

EXPORT QUALITY ELECTRICAL SOLUTIONS

SWITCHGEAR PRODUCTS CATALOGUE



SWITCH
FUSE UNIT



MANUAL
CHANGEOVER



BUSBAR



PORCELAIN
FUSE UNIT



DISTRIBUTION
BOARD



SUPERIOR
SAFETY



PREMIUM
QUALITY



RELIABLE
PERFORMANCE



BUILT FOR
GLOBAL MARKETS

POWERING CONNECTIONS
BEYOND BORDERS



INDUSTRIAL



COMMERCIAL



INFRASTRUCTURE



ENERGY



MAA VAISHNO ELECTRICALS

SWITCHGEAR & ELECTRICAL ACCESSORIES

OEM Manufacturing | Export Quality | IEC Standard Products

COMPANY PROFILE

MVE Electricals is a manufacturer and supplier of low voltage to high voltage switchgear products designed for residential, commercial, and industrial electrical applications. We specialize in manufacturing reliable and durable electrical switching products suitable for domestic and export markets.

Our product range includes Manual Changeover Switches, Porcelain Fuse Units, Switch Fuse Units, Isolators, Distribution Accessories, Busbar chamber and OEM customized electrical products.

We focus on quality manufacturing, strict inspection procedures, and dependable product performance to meet customer expectations in international markets.

WHY CHOOSE US

- IEC Standard Manufacturing
 - OEM & Private Label Support
 - Copper Contact Components
 - Strict Quality Inspection
 - Export Packaging Facility
 - Competitive Pricing
 - Reliable Product Performance
 - Fast Production & Dispatch
 - Customized Branding Support
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PRODUCT RANGE

1. Manual Changeover Switches
2. HRC MAIN SWITCH WITH FUSE
3. Porcelain Fuse Units
4. Iron Clad Switch Fuse Units
5. Isolators

6. Rewireable KitKat Fuse Units
 7. Neutral Links & Terminal Accessories
 8. Distribution Board Accessories
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PRODUCT CATEGORY

MANUAL CHANGEOVER SWITCHES

MVE Electricals manufactures a wide range of Manual Changeover Switches suitable for residential, commercial, industrial, and generator power applications. Our changeover switches are available in multiple current ratings and pole configurations to meet diverse customer requirements for domestic and export markets.



Available Range

2 Pole Manual Changeover Switches / KNIFE TYPE CHANGEOVER

- 32A DP Manual Changeover
- 63A DP Manual Changeover

4 Pole Manual Changeover Switches/ KNIFETYPE CHANGEOVER

- 32A FP Manual Changeover
- 63A FP Manual Changeover
- 100A FP Manual Changeover
- 200A FP Manual Changeover
- 315A FP Manual Changeover
- 400A FP Manual Changeover

- 630A FP Manual Changeover
- 800A FP Manual Changeover

Standard Product Features

- High conductivity copper contacts
- Heavy duty switching mechanism
- Long mechanical and electrical life
- Heat resistant insulating material
- Smooth manual operation
- Suitable for generator and mains supply switching
- Compact and robust construction
- Reliable performance under continuous operation

Applications

- Generator Control Panels
- Residential Power Backup Systems
- Commercial Buildings
- Industrial Power Distribution
- Electrical Control Panels
- Factories & Workshops
- Utility and DG Synchronization Systems

32A FOUR POLE MANUAL CHANGEOVER SWITCH

Product Description

The 32A Four Pole Manual Changeover Switch is designed for safe and reliable transfer of electrical load between utility power and generator supply. It is suitable for residential, commercial, and industrial power distribution applications.

Product Features

- Heavy duty copper contacts
- Smooth manual switching operation
- Compact and durable construction

- Flame retardant body material
- Easy installation and maintenance
- Long electrical and mechanical life

Technical Specifications

Parameter	Specification
Rated Current	32A
Poles	4 Pole
Rated Voltage	240/415V AC
Frequency	50/60Hz
Operation Type	Manual
Handle Type	Side Handle
Contact Material	Copper
Mounting Type	Surface Mount
Application	Utility / Generator Changeover
Standard	IEC

Applications

- Residential Buildings
- Generator Panels
- Shops & Offices
- Commercial Installations
- Industrial Distribution Panels

63A FOUR POLE MANUAL CHANGEOVER SWITCH

Product Description

The 63A Four Pole Manual Changeover Switch is manufactured for dependable source transfer operations between mains supply and generator power systems.

Product Features

- High conductivity copper contacts
- Robust switching mechanism
- Heat resistant body material
- Smooth and reliable operation
- Suitable for continuous operation

Technical Specifications

Parameter	Specification
Rated Current	63A
Poles	4 Pole
Rated Voltage	240/415V AC
Frequency	50/60Hz
Operation Type	Manual
Handle Type	Side Handle
Contact Material	Copper
Body Material	Industrial Grade
Application	Generator & Utility Switching
Standard	IEC

Applications

- Commercial Buildings
 - Small Industries
 - Generator Distribution Systems
 - Control Panels
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PORCELAIN FUSE UNIT

MVE Electricals manufactures a comprehensive range of Porcelain Fuse Units designed for reliable circuit protection in residential, commercial, and industrial electrical systems. Our fuse units are available in multiple current ratings with Copper, Brass, and customized contact material options as per customer and OEM requirements.



Available Range

Standard Current Ratings

- 32A Porcelain Fuse Unit
- 63A Porcelain Fuse Unit
- 100A Porcelain Fuse Unit
- 200A Porcelain Fuse Unit
- 315A Porcelain Fuse Unit
- 400A Porcelain Fuse Unit
- 500A Porcelain Fuse Unit

Contact Material Options

Copper Series

- High conductivity copper contacts
- Heavy duty industrial applications
- Low heat generation
- Better electrical performance

Brass Series

- Economical design
- Reliable operation
- Suitable for standard applications
- Durable construction

OEM / Customized Quality Options

- Customer specified contact thickness
- Customized terminal design
- Heavy gauge copper/brass options
- Special export quality finishing
- Branding and labeling support
- Custom mounting configurations

Standard Product Features

- High strength porcelain body
- Excellent thermal resistance
- Durable fuse carrier construction
- Reliable overload protection
- Long service life
- Strong terminal connections
- Suitable for industrial environments
- Easy fuse replacement

Applications

- Distribution Boards
- Industrial Electrical Panels
- Commercial Installations
- Factory Power Distribution
- Motor Protection Systems
- Utility Protection Applications

Performance Details

The 200 Amp Porcelain Fuse Unit is designed for dependable circuit protection and safe current carrying performance in industrial and commercial electrical systems. The fuse unit is manufactured using high strength porcelain body and heavy duty copper or brass contacts for reliable electrical conductivity and long operational life.

Product Performance Features

- High current carrying capacity
- Excellent thermal resistance
- Reliable short circuit protection
- Strong mechanical construction
- Low heat generation during operation
- Stable electrical conductivity
- Durable porcelain insulation body
- Suitable for continuous industrial duty

Technical Performance Specifications

Parameter	Performance Details
Rated Current	200 Amp
Rated Voltage	240/415V AC
Frequency	50/60Hz
Body Material	High Grade Porcelain
Contact Material	Copper / Brass
Insulation Performance	High Thermal Resistance
Mounting Type	Surface Mount
Fuse Type	Rewireable / KitKat Type
Application	Circuit Protection
Standard	IEC

Operational Benefits

- Efficient overload protection
 - Reliable short circuit isolation
 - Long service life under heavy load conditions
 - Easy fuse replacement and maintenance
 - Suitable for industrial and commercial installations
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Suitable Applications

- Industrial Distribution Panels
 - Factory Electrical Systems
 - Commercial Power Distribution
 - Motor Protection Circuits
 - Utility Distribution Boards
 - Heavy Electrical Installations
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IRON CLAD SWITCH FUSE UNIT

Product Description

The Iron Clad Switch Fuse Unit is manufactured for safe switching and protection of electrical distribution systems in industrial and commercial applications.



Product Features

- Heavy duty metal enclosure
- Reliable switching operation
- High mechanical strength
- Safe fuse protection system
- Suitable for industrial environments

Technical Specifications

Parameter	Specification
Product Type	Switch Fuse Unit
Enclosure Material	Iron Clad Metal Body
Voltage Rating	240/415V AC
Contact Material	Copper
Mounting Type	Wall Mount
Application	Isolation & Protection
Standard	IEC

Applications

- Industrial Distribution Systems
- Factories
- Commercial Electrical Panels
- Motor Protection Systems

OEM MANUFACTURING SERVICES

We provide OEM and private label manufacturing solutions for electrical brands, distributors, wholesalers, and importers.

OEM Support Includes

- Custom logo printing
- Product branding
- Customized packaging

- Barcode & labeling support
 - Technical documentation support
 - Product specification customization
 - Bulk manufacturing support
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QUALITY CONTROL PROCEDURE / Inspection Flow

Incoming Material Inspection ↓ Assembly Inspection ↓ Mechanical Operation Test ↓ Continuity Test ↓ Insulation Test ↓ Final Visual Inspection ↓ Packing Inspection ↓ Dispatch Approval

Quality Focus

- Copper conductivity verification
 - Mechanical operation checking
 - Proper terminal tightening
 - Body finishing inspection
 - Contact pressure checking
 - Fuse carrier alignment verification
 - Packing verification before dispatch
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EXPORT PACKAGING

Our products are packed using export quality corrugated cartons and protective packaging materials to ensure safe transportation during international shipment.

Packaging Features

- Individual product packing
 - Product labeling and barcode support
 - Strong corrugated export cartons
 - Moisture protection packing
 - Pallet packing available
 - OEM customized packaging support
-

CERTIFICATION & STANDARDS

Our products are manufactured in accordance with applicable industrial standards and quality inspection procedures.

Standards Followed

- IEC Standard Manufacturing
- Industrial Quality Inspection Procedures
- Export Quality Packaging Standards

Manufacturing Focus

- Reliable electrical performance
- Safe switching operation
- Durable product construction
- Long operational life
- Consistent production quality

MCB DISTRIBUTION BOX

Product Catalogue & Performance Details Format

For Export / OEM / Dealer Presentation



Safe • Durable • IEC Compliant

Suitable for Residential, Commercial & Industrial Applications

About Product

MCB Distribution Boxes are designed for safe distribution and protection of electrical circuits using MCBs, RCCBs, Isolators and other modular devices. These boxes provide shock protection, fire safety and organized power distribution for residential, commercial and industrial installations.

Manufactured using high-quality CRCA steel / ABS plastic with powder-coated finish for long service life and corrosion resistance.

Product Overview

SPN MCB Distribution Box is designed for safe housing and distribution of miniature circuit breakers in residential and commercial electrical installations. It ensures proper protection against overloads and short circuits while maintaining organized wiring.

Parameter	Specification
Product Type	SPN Distribution Box
Number of Ways	4 / 6 / 8 / 12 / 16 Way
Rated Voltage	240V AC
Rated Frequency	50/60 Hz
Rated Current	Up to 125A
Material	CRCA Steel / ABS Plastic
Mounting Type	Flush / Surface
Degree of Protection	IP42 / IP43
Busbar Material	Copper / Aluminium
Finish	Powder Coated
Color	White / Grey
Door Type	Transparent / Metal
Standard Compliance	IEC 61439
Neutral Link	Provided

Parameter	Specification
Earth Link	Provided

Product Features

- Strong CRCA steel construction
- Shock-proof design
- Corrosion-resistant powder coating
- Easy wiring and installation
- Removable gland plates
- High mechanical strength
- Proper ventilation design
- Smooth door operation
- Copper busbar option available
- Suitable for modular MCBs

Performance Characteristics

Test Parameter	Performance
Mechanical Strength	Excellent
Heat Resistance	High
Corrosion Resistance	Excellent
Electrical Insulation	Reliable
Door Operation Life	Long Life Performance
Busbar Conductivity	High Efficiency
Mounting Stability	Secure Installation
Wiring Space	Adequate

Applications

- Residential Buildings
 - Commercial Complexes
 - Offices
 - Factories
 - Retail Shops
 - Hospitals
 - Schools
 - Industrial Panels
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PERFORMANCE DETAILS

TPN Distribution Box

Product Overview

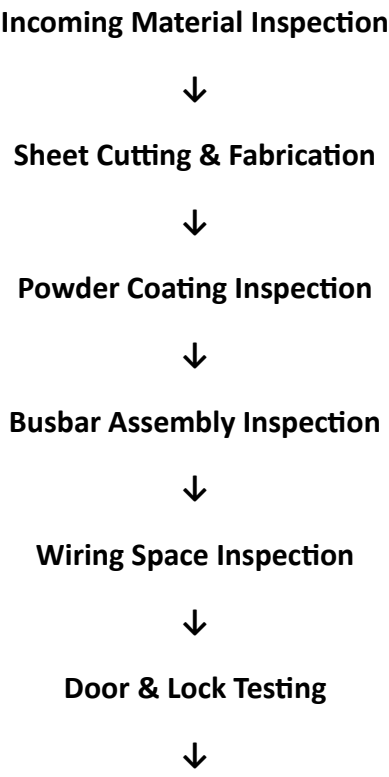
TPN Distribution Boxes are designed for three-phase power distribution systems and provide safe mounting for MCBs, MCCBs and isolators used in industrial and commercial applications.

Parameter	Specification
Product Type	TPN Distribution Box
Number of Ways	4 / 6 / 8 / 12 Way
Rated Voltage	415V AC
Rated Frequency	50/60 Hz
Rated Current	Up to 250A
Pole Configuration	Triple Pole & Neutral
Material	CRCA Steel
Mounting Type	Surface Mounted
Protection Class	IP42 / IP54

Parameter	Specification
Finish	Powder Coated
Busbar	Copper / Aluminium
Standard	IEC 61439

Features

- Heavy-duty construction
- Three-phase load distribution
- Safe busbar arrangement
- High insulation strength
- Long service life
- Easy maintenance
- Strong door locking system
- Suitable for industrial applications



Final Visual Inspection



Packing Inspection



Dispatch Approval

Standard Testing

Test	Status
Visual Inspection	Conducted
Dimensional Check	Conducted
Powder Coating Check	Conducted
Mechanical Operation Test	Conducted
Continuity Test	Conducted
Insulation Resistance Test	Conducted
Earthing Continuity Test	Conducted

Packing Details

Product	Packing Type
SPN DB	Corrugated Box
TPN DB	Heavy Corrugated Box
OEM Packing	Available
Branding	Customized Available

BUSBAR CHAMBER



Product Overview

Busbar Chambers are designed for safe and efficient power distribution in industrial, commercial, and electrical panel applications. Manufactured using CRCA steel enclosure with high conductivity copper/aluminium busbars, these chambers ensure reliable current carrying capacity, low heat rise, and long service life.

Suitable for:

- Power Distribution Panels
- LT Switchboards
- Industrial Plants
- Commercial Buildings
- OEM Electrical Assemblies

Product Range

Model Rating	Pole	Busbar Material	Enclosure Thickness	Standard
100A	4 Pole	Copper / Aluminium	As per requirement CRCA	IEC 61439
200A	4 Pole	Copper / Aluminium	As per requirement CRCA	IEC 61439
400A	4 Pole	Copper / Aluminium	As per requirement CRCA	IEC 61439
630A	4 Pole	Copper / Aluminium	As per requirement CRCA	IEC 61439

Model Rating	Pole	Busbar Material	Enclosure Thickness	Standard
800A	4 Pole	Copper / Aluminium	As per requirement CRCA	IEC 61439

Parameter	Specification
Rated Voltage	Up to 690V AC
Frequency	50/60 Hz
Current Rating	100A – 800A
Short Circuit Withstand	As per IEC 61439
Degree of Protection	IP31 / IP54 (Optional)
Busbar Material	ETP Grade Copper / EC Grade Aluminium
Surface Finish	Powder Coated RAL 7032 / 7035
Neutral	Fully Rated Neutral
Earthing	Integrated Earth Continuity
Mounting Type	Wall / Surface Mounted
Operating Temperature	Suitable for Tropical Conditions
Insulation	Heat Resistant Insulators
Corrosion Resistance	High Durability Powder Coating

Key Features

- Compact & Robust Design
- High Conductivity Busbars
- Low Temperature Rise
- Easy Cable Termination
- Safe & Reliable Power Distribution
- Maintenance Friendly Construction
- Suitable for Continuous Duty

- **Export Quality Finish**
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Testing & Quality Checks

Each Busbar Chamber undergoes:

- **Visual Inspection**
 - **Mechanical Fitment Check**
 - **Continuity Test**
 - **Insulation Resistance Test**
 - **Dimensional Verification**
 - **Busbar Tightness Check**
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Compliance Standards

IEC 61439 is commonly used for low-voltage switchgear and busbar assemblies in export markets.

Typical busbar chamber constructions include CRCA steel enclosures, copper busbars, and IP-rated protection systems.

Available Customization

- **Copper / Aluminium Busbars**
 - **Indoor / Outdoor Type**
 - **Custom Dimensions**
 - **Higher IP Protection**
 - **Tinned Copper Busbars**
 - **OEM Branding Available**
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Applications

- **Electrical Distribution Systems**
- **Generator Synchronization Panels**
- **Industrial Power Distribution**
- **Commercial Buildings**

- **Infrastructure Projects**
 - **OEM Panel Builders**
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CONTACT US

MVE ELECTRICALS

Manufacturer & OEM Supplier of LV Switchgear Products

Product Range

- Manual Changeover Switches
 - Porcelain Fuse Units
 - Iron Clad Switch Fuse Units
 - Isolators
 - Distribution Accessories
 - Busbar Chambers
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OEM Manufacturing & Export Enquiries Welcome
