

LOW VOLTAGE SWITCHGEAR & POWER QUALITY SOLUTIONS



GENERAL OVERVIEW

ABOUT US

Innovation, engineering and constant endeavor to meet customer demands and needs has positioned ASPIRO group as a trusted and reliable name in the field of Miniature Circuit Breakers, Residual Current Circuit Breakers, Distribution Boards, Changeover Switches, Switch-Disconnectors, Fuses, Rewireable Switch Fuse Unit, Busbar Chambers and allied products of Low Voltage Switchgear.

To be able to contribute towards 'Go Green' and to support the global community in saving power, ASPIRO group introduced energy efficient and high performing Solar Tubular Batteries and SMF Batteries, Solar Hybrid Inverters, DSP Sinewave Inverters, Solar Panels and Automotive Batteries to meet different residential, institutional and industrial requirements'

Our manufacturing plants are equipped with the best machinery, technologies, and systems to rival the best facilities anywhere in the world. Our vast network of distributors and agents in India and across the globe act like our extended arms to ensure the highest level of customer satisfaction. India is poised for significant growth and ready to carve its place in the global economic landscape-we at ASPIRO group are well positioned to be an integral part of this journey.

WELCOME TO ASPIRO ELECTRIC

Electrical Distribution needs are continuously evolving in residential, commercial and industrial sectors. Improved operational safety, continuity of service, greater convenience and operating cost have assumed a tremendous significance. Aspiro Electric products have been designed to continuously adapt to these changing needs.

RESEARCH & DEVELOPMENT

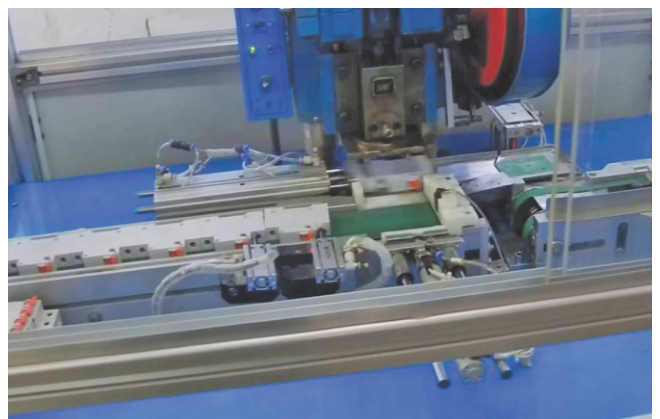
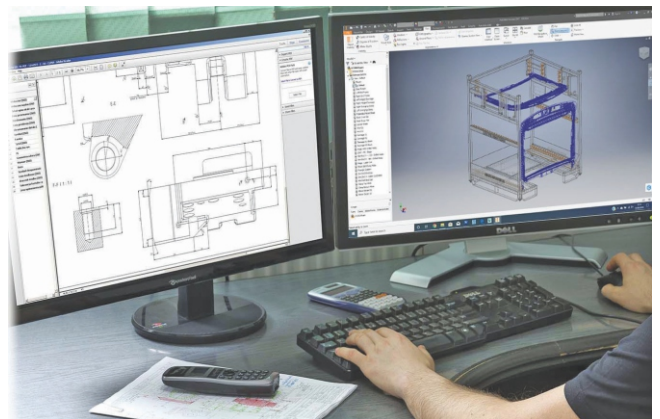
- Low cost light engineering acumen
- Product design and development
- Multi-Cavity mould & die making
- Moulding (Thermo-Plastic & Thermo-set)

MANUFACTURING

- Manufacturing expertise of similar range
- Complete in-house integration
- Metal component making with compound tooling
- Sheet metal forming
- Powder coating & infrared drying

RESOURCES & CERTIFICATES

Manufacturing plant	: Gaziabad & Roorkee, India
Total Manpower	: 500
Logistics Hub	: 4
Channel Partners	: 110
Retail Outlets	: 5,000 plus
Certifications	: IEC, BIS, ISO



MINIATURE CIRCUIT BREAKERS (MCBs)

SALIENT FEATURES

- Rated Short-Circuit breaking capacity, I_{cn} 10kA & 6kA
- Low power consumption, thus cost effective and energy saving
- 13 plates Arc Chute for effective arc quenching
- Enclosure 'FR grade Thermoplastic material - Nylon 6'
- Dual termination for bus-bar as well as cable connection
- Easy DIN-Rail extraction
- Energy Limiting Class 3 to ensure low let through energy to limit thermal & mechanical stress on cable
- Trip free mechanism : MCB trips even if held in ON position.
- Longer electrical life
- Degree of Protection IP 20
- Line Load clear indication
- Contact indications window (**Red = ON** & **GREEN = OFF**)
- Dual Position Clamp
- Operating Voltage 240V / 415V AC 50 Hz
- ISI and CE marking, RoHs Compliant, Green Product

- RANGE** : 6A to 63A - B Curve | 0.5A to 63A - C Curve
0.5A to 63A - D Curve | 0.5A to 63A for DC Application
- EXECUTION** : Single Pole (IP) | Single Pole & Neutral (IP+N)
Double Pole (2P) | Three Pole (3P)
Three Pole & Neutral (3P+N) | Four Pole (FP)
- SPECIFICATION** : IS/IEC 60898-1 | IEC 60898-2 for DC Application
IEC 60947-2 for Industrial Application

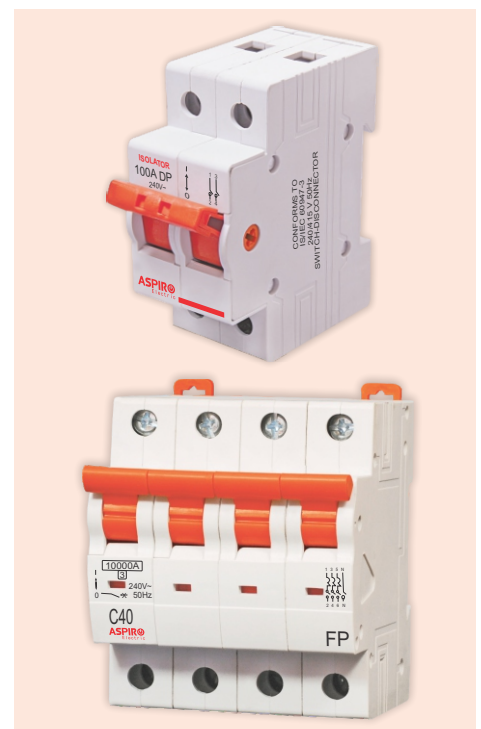


ISOLATORS SWITCHING DEVICE

SALIENT FEATURES

- Low watt loss
- Longer electrical life
- Energy saving
- Dual termination for bus-bars and wires
- Degree of Protection IP 20
- Operating Voltage 240V / 415V AC 50 Hz

- RANGE** : 40A to 125A
- EXECUTION** : Double Pole (2IP)
Three Pole (3P)
Four Pole (FP)
- SPECIFICATION** : IS/IEC 60947-3



RESIDUAL CURRENT CIRCUIT BREAKERS (RCCBs)

SALIENT FEATURES

Degree of Protection : IP 20
Residual Current Characteristics : AC
Rated Voltage : 240V / 415V AC
Rated Frequency : 50/60Hz
Rated Residual Non-Operating Current : 0.5 In
Rated Conditional Short-Circuit Current (Inc) : 10kA
Tripping Duration : <0.04 sec
Mechanical Life : >5,000 cycles
Electrical Life : > 5,000 cycles
Connection Capacity : Right conductor 25 mm²
Fastening Torque : 2.0Nm
Installation : On Symmetrical Din Channel of 35mm
Vibration Capacity : 5g, Duration >30min
Position of Use : Any Encapsulated Device; Vertical

RANGE : 25A/ 40A/ 63A
30mA/ 100mA/ 300mA

EXECUTION : Double Pole (2IP)
Four Pole (FP)

SPECIFICATION : IS:1260 & IEC:61008-1



MCB ENCLOSURES

SALIENT FEATURES

Material : Metal and Plastic
Suitable for residential, industrial and commercial use
Supplied with neutral & earth link, top and bottom detachable plates
Supplied with masking sheet to protect components from cementing during plastering
IP 42 protected

EXECUTION : Double Pole (2P)
Four Pole (FP)



DISTRIBUTION BOX

SINGLE PHASE & NEUTRAL (SPN)

Conforms to IS : 8623-3

Degree of Protection : IP 42

Number of Way : 4/ 6/ 8/ 10/ 12/ 14/ 16 ways

Supplied with wire kits fitted with lugs, earth link, blanking plate, cable ties and circuit identification labels

Side locking Din Channel

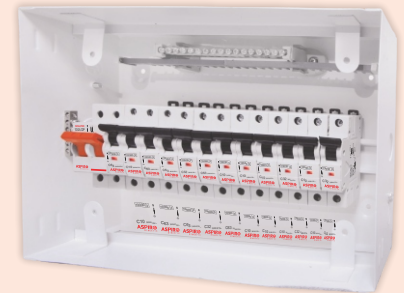
Cement Spill Protector

Shrouded Neutral link and Insulated Copper Bus Bar for extra safety

Suitable for surface and flush mounting

Top and bottom removable gland plates with bigger knock outs

Suitable for MCB/ RCCB/isolator as incomer and MCBs as outgoing



HORIZONTAL THREE PHASE & NEUTRAL (TPN)

Conforms to IS : 8623-3

Degree of Protection : IP 43

Number of Ways : 4/ 6/ 8/ 12 ways

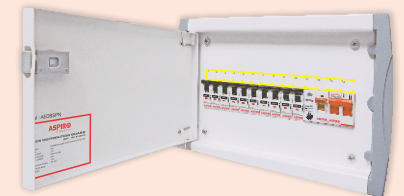
Supplied with wire kits fitted with lugs, earth link, blanking plate, cable ties and circuit identification labels

Top and bottom removable gland plates with bigger knock outs

Side Locking Din Channel

Shrouded Neutral link and Insulated Copper Bus Bar for extra safety

Suitable for MCB/RCCB/Isolator as incomer and MCBs as outgoing



VERTICAL THREE PHASE & NEUTRAL (VTPN)

Conforms to IS : 8623-3

Degree of Protection : IP 43

Number of Ways : 4/ 6/ 8/ 12 ways

Suitable for MCCB/ MCB/ RCCB / Isolator as incomer and MCBs as outgoing

Supplied with wire kits fitted with lugs, earth link blanking plate, cable ties and circuit identification labels

125A/ 160A/ 200A Bus Bar in TP/FP MCCB incomer to suit different installation requirements

Shrouded Neutral Link insulated Copper Bus Bar for extra safety

Identification of RYB Phases from top to bottom in MCB/MCCB incomer

Suitable for surface and flush mounting

Top and bottom removable gland plates with bigger knock outs

Side Locking Din Channel



CHANGEOVER SWITCHES

SALIENT FEATURES

Conforms to IS/IEC 60947-1 & 3
Type : Onload and Offload
No. of Poles : Double Pole and Four Pole
Range : 32Amp to 3150 Amp in 7 Frame sizes
Available in open execution & in sheet steel enclosure
Quick make & quick break mechanism
High electrical & mechanical endurance
Advance neutral
Enclosed housing to avoid dust ingress
Staggered terminals upto 800 A
Load and Line reversibility
Provision of phase separators, add-on auxiliary switch
Door interlock and padlock facility



SWITCH DISCONNECTOR FUSE UNIT (SDF)

SALIENT FEATURES

Conforms to IS/IEC 60947-3
No. of Poles : TPN / FP
Ratings : 32A upto 800A
Rated voltage : 1000V AC / 1500V DC
High Breaking capacity : 80kA with fuses
Utilization category : AC 23A
Contact position clearly visible through inspection windows
ON/OFF position clearly indicated on handle and on switch mechanism
Independent manual operation
Front operated rotary handle with door interlock
Padlock Feature
Storage ambient temp. : -25 degree C to 55 degree C
Working ambient temp. : -20 degree C to 45 degree C
Relative Humidity : max. 95%
Rated Frequency : 50/60 Hz



PLUG & SOCKET BOARDS

SALIENT FEATURES

Provision to mount angled Plug and Sockets
Suitable for commercial and industrial applications
3/5 Pin can accommodate 4/6 modules
Non-Corrosive Plug and Sockets
Supplied with interconnecting wires



REWIREABLE SWITCH FUSE UNIT (SFU)

SALIENT FEATURES

Conforms to IS/IEC 60947-3

No. of Poles : SPN/ TPN

Ratings : 16A upto 200A

Rated voltage : 240V/ 415V

Utilization category : AC22A

Side handle operation

Suitable for surface mounting

Enclosed fabricated steel sheet with phosphate coating be seven tank system

Powder coated to give lasting surface protection

Provided with adequate Knock Outs for cable entry and inner mounting holes for easy installation

The fixed contacts are provided with removable shield

ON/OFF position clearly indicated on handle & on enclosure label

Independent manual operation



BUSBAR CHAMBERS

SALIENT FEATURES

Conforms to IEC 60439 and IEC 60529

Ratings : 100A/ 200A/ 400A/ 630A/ 800A

Short circuit withstand capacity : 25kA/ 35kA/ 50kA

No. of ways : 4/ 6/ 8 way

Readymade and customized solution for safe power distribution

Modular/ compact design provides economy of space and cost

Simple and efficient system configuration

Easy, flexible and time saving installation

Shock proof design

Elegant & sleek in appearance



KIT KAT TYPE FUSES

SALIENT FEATURES

Ratings : 16A upto 500A

Rated voltage : 240V/ 415V

Rated Frequency : 50/ 60 Hz

Easy and quick to install

Low maintenance and replacement time

Cost-effective solution

EC grade copper is used for contacts for highest conductivity

Silver plating is done on the metal parts



**PROTECTING YOU,
ALWAYS...**



Be the light in life that shines even in the dark days of life. Embellish every moment with the us. Look at the bright side, look at ASPIRO. Come join us as we creating something truly inspirational, durable and worthy.

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