

ELETRA

PRODUCT RANGE





PROFILE.

ELETRA products signify commitment to high standards of quality, safety and performance. These products are designed and manufactured in a modern plant employing state-of-the-art technologies.

ELETRA products conform to international standards like IEC, BS and NEMA. Rigorous quality testing employed by the Quality Assurance. ELETRA is a hallmark of quality that puts customer safety and satisfaction as its top priority.

Innovative and compact engineering designs through computer aided design techniques coupled with superior production facilities ensure high aesthetic finish of ELETRA products. ELETRA uses the best of materials available and the skill of its special team of technically qualified craftsmen.

Some of ELETRA's leading products.

- Custom-Built Distribution Boards
- Package Sub stations
- Motor Control Centres
- Combination Panelboards
- Standard Load Centres
- Custom-Built Load Centres
- Service Enclosures
- Stainless Steel Enclosures
- Switch Boxes
- Junction Boxes



MEDIUM VOLTAGE DISTRIBUTION PRODUCTS

Package Substation

- Distribution transformer up to 1500 kVA.
- SF6 Ring Main Unit.
- Medium Voltage Terminals coupled to transformer directly by busbars or cables.
- Low voltage terminals coupled to transformer by a busduct and provided with metering.
- Enclosure – Fabricated with Electro-galvanized steel.
- Sufficient louvres to ensure proper ventilation.
- Double door/double roof suitably gasketed to meet all climates.



Package Substation



Metal Enclosed Switchgears - Ring Main Unit

METAL ENCLOSED SWITCHGEARS Ring Main Unit

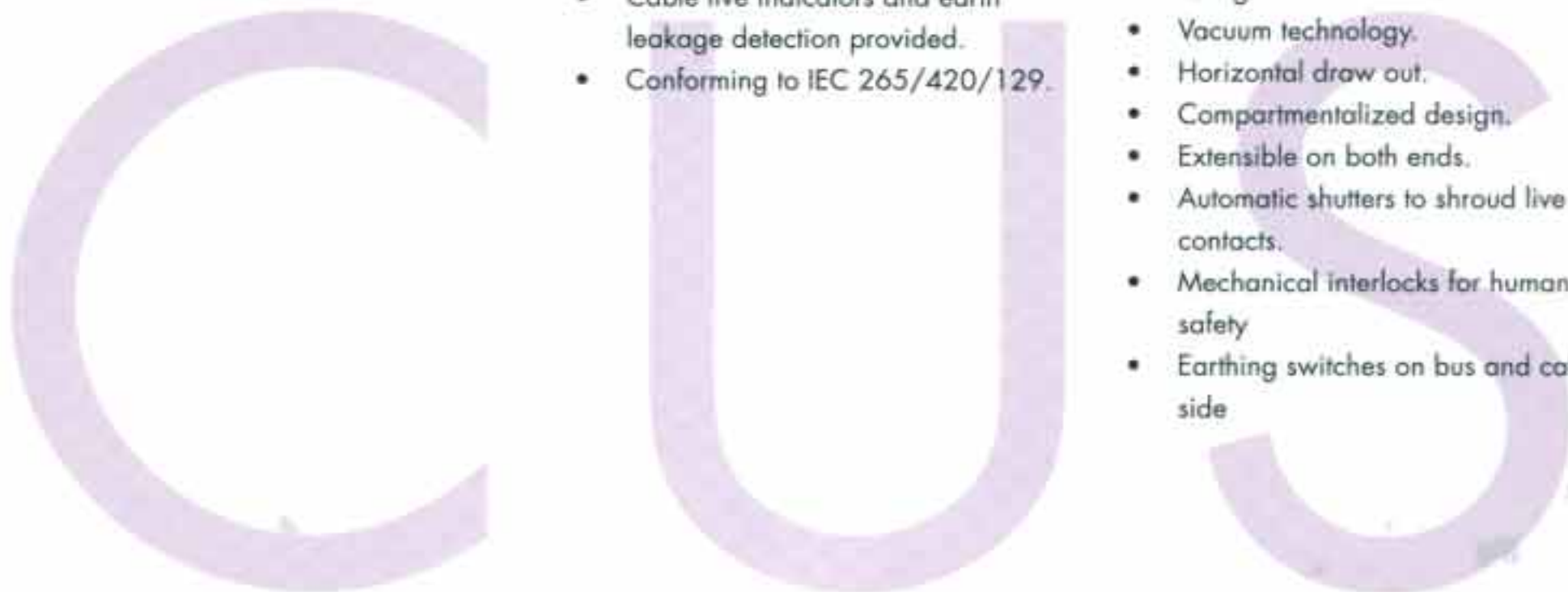
- Option with or without metering.
- SF6 Insulated/Extendable and Non-Extendable Type.
- Available in 12 kV/17.5 kV Version.
- Equipped with 2 Ring switches and transformer fuse switches.
- Suitable for direct or cable connection of fuse switches to transformer.
- Earth switches provided with suitable interlocks.
- Cable live indicators and earth leakage detection provided.
- Conforming to IEC 265/420/129.



Metal Clad Switchgears

METAL CLAD SWITCHGEARS

- 13.8 kV/630 AMPS – 3150 AMPS rating.
- Vacuum technology.
- Horizontal draw out.
- Compartmentalized design.
- Extensible on both ends.
- Automatic shutters to shroud live contacts.
- Mechanical interlocks for human safety
- Earthing switches on bus and cable side



CUSTOMISED LOW VOLTAGE DISTRIBUTION PRODUCTS

Low Voltage Switch boards - Type MF

- Low voltage power distribution board.
- Modular Construction
- Free standing structure made out of 2.0 mm thick and enclosure 1.6 mm thick electro-galvanized steel.
- Option with or without metering.
- Available in design type "Form-1" to "Form-4"
- Uses ETP grade copper tin/silver plated.
- Tested at KEMA laboratory



Low Voltage Switch boards - Type MF

MCCB distribution boards - Type MB

- Rating 100A - 600 A.
- Wall-mounted design.
- Available for indoor and outdoor applications.
- Option with or without metering
- Assembly complies with IEC 60439.
- Enclosure made of 1.6 mm thick electro-galvanized steel sheet.
- High quality powder coated finish.
- Ingress protection IP 41 - IP 55 (IEC 529)
- Modular design.
- Permits many combinations of incomers.
- Greater customer choices.

- Generous cabling area.
- Removable gland plate.



MCCB distribution boards - Type MB

Control and relay panel

- Simplex or duplex type design.
- Freestanding and floor mounding.
- Standard dimension:
Height 2250mm
Width 600mm or 800mm
Depth 600mm or 800mm.
- Panel finish - Grey RAL 7033
- Interior Semi Gloss White
- Control and protection function separate.
- Easily demountable for rearrangement when required.
- Devices - easily accessible.
- Degree of protection IP 54 / of IEC 529.
- Conforming to IEC standards.



Control and relay panel

LV motor control centres

- Conforming to IEC / NEMA standards.
- Fixed and draw out modules.
- Segregated horizontal and vertical busbars.
- Busbars - ETP grade and tin-plated with heat shrinkable sleeves.
- Shrouded and fault rated plug-in contact.
- Interchangeable modules of same rating.
- Enough space for outgoing cables.
- Electro-galvanised sheet steel framework.
- Powder coated to RAL / ANSI shades
- Standard Dimensions:
500mm wide X 2300mm height x 400/525mm depth front mounted.



LV motor control centres

STANDARD LV DISTRIBUTION PRODUCTS

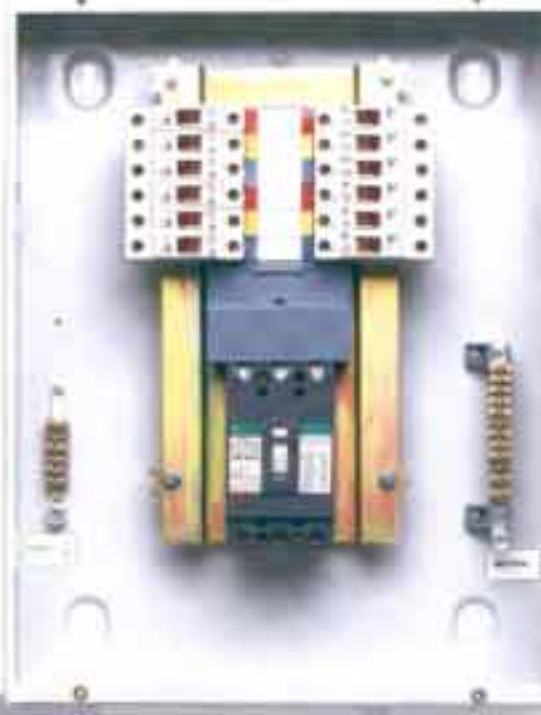
Load Centres

TYPE LA/LAS/LAE/LB (NEMA type)

- Installed as service entrant equipment in residential, commercial & industrial premises for electrical power distribution and control.
- Available for 1 phase 2 wire, 2 phase 3 wire & 3 phase 4-wire installations with number of branch outlets, 4 ways to 48 ways.
- Main ratings start from 30A and goes up to 400A.
- Tested at KEMA Laboratory.

Options Available:

- Type LA with plug in NEMA type branch breaker.
- Type LAE/LAS with earth leakage protection, split branch breaker section.
- Bolt-on type branch breaker Type LB.
- Available in design for both indoor and outdoor installations and surface or flush wall mounting.



Type LD/LDE/LDS

Type LD/LDE/LDS (IEC type)

- Installed as service entrant equipment in residential, commercial & industrial premises for Electrical power distribution and control.
- Din rail type branch breaker Type LD.
- Available for 1 phase 2 wire, 2 phase 3 wire & 3 phase 4-wire installations with number of branch outlets, 4 ways to 48 ways.
- Main ratings start from 30A up to 225A.

Options Available:

- With earth leakage protection, split branch breaker section Type LDE/LDS.
- Available in design for both indoor and outdoor installations and surface or flush wall mounting.

Circuit Breaker Enclosures

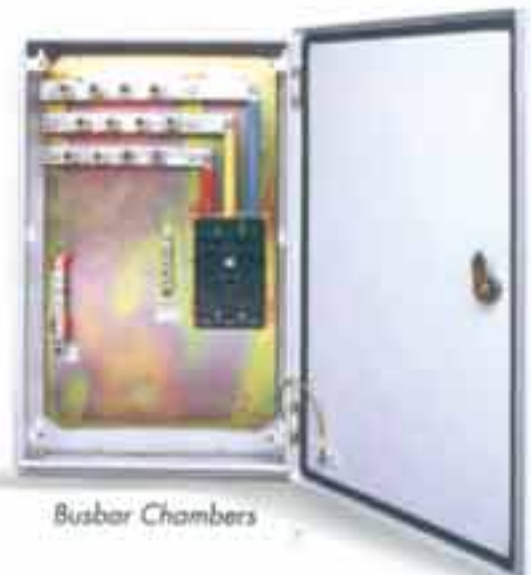
- Safe & reliable switching equipment suitable for extreme conditions.
- Available in the design for indoor and outdoor installations.
- Range: 30 to 400A, Rated: 415/220V, 3PH 50/60Hz, Ambient: 50°C.



Circuit Breaker Enclosures

Busbar Chambers

- Safe and reliable power distribution unit.
- Facilitates multiple outlet cable connections.
- Available with or without main breaker.
- Rating : 30A to 400A.
- Available for indoor and outdoor installations.



Busbar Chambers



Load Centres - TYPE LA/LAS/LAE/LB

Modular Enclosures

- Suitable for Din-rail mounted components.
- Available in multiple rows/sections, each row capable of accepting 16 single phase Din rail breaker.

Options:

- Multiple neutral and earth terminals available.
- Door with cutout covered with transparent sheet.



Modular Enclosures



Service Enclosures

Service Enclosures

- Designed for IP-55 protection available in a wide range of sizes, ranging from 200 x 200 x 150 mm to 2000 x 1200 x 400 mm.
- Removable bottom gland plate, with provision for door to box earthing.
- Removable mounting plate made of 2 mm thick GI steel.

Options:

- Zinc plating/RAL 2000 for mounting pan.

Switch Boxes

- Widely used in electrical wiring installations for domestic, commercial and industrial buildings.
- Designed and manufactured to ensure adequate mechanical strength and durability during installation for the entire service life.
- Approved by SASO and meets the British Standard requirements (BS 4662).
- Made from 0.9/1.1 mm hot-dip galvanized sheet steel on an automatic production line.
- The lugs are tapped using automatic gang tapping machine, making the threads very reliable and resistant to damage even after it is used many times.
- Knockouts can be opened easily with little effort even after being fixed on the wall.



Switch Boxes



Junction Boxes

Junction Boxes

- Used in electrical wiring for routing wire in all directions.
- Large number of knock-outs for easy fitting of conduits.
- Standard Sizes : 10 x 10, 15 x 15, 20 x 20, 25 x 25, 30 x 30, 35 x 35, and 45 x 45 cm.
- Depth: 5.5 cm and 7.5 cm.
- Material: Hot dipped galvanized steel providing excellent corrosion protection.

Options:

- In 75 mm, an additional feature of continuous rectangular knock-out is available.
- Provision for higher depth on request.



CERTIFICATION

ELETRA is approved by:

SASO

SAUDI ARABIAN STANDARDS ORGANISATION

SEC

SAUDI ELECTRIC CO.

SAUDI ARAMCO

SAUDI ARABIAN OIL COMPANY

ABU DHABI WATER AND ELECTRICITY BOARD

STATE ELECTRICITY BOARD OF QATAR

MINISTRY OF ELECTRICITY, BAHRAIN

MINISTRY OF EDUCATION

STC

SAUDI TELECOM COMPANY



LISTED



TESTED



OUR OBJECTIVE

WE REACH EXACTING STANDARDS IN THE SAFETY AND DISTRIBUTION OF POWER AND GO WELL BEYOND CUSTOMER EXPECTATIONS.

THIS IS DONE BY FOCUSING OUR TECHNOLOGY AND EXPERTISE ON THE ULTIMATE REWARD WE CAN GET-COMPLETE SATISFACTION OF OUR CUSTOMERS.

QUALITY POLICY

- Provide products conforming to governing standards and of **consistent quality**.
- Excel in all our operations to achieve **customers' satisfaction** for products and services through **continuous improvement**.
- Develop and maintain a motivated team of competent employees and vendors.
- Redefine and execute new processes / systems that meet the changing market requirements.