

# MEpowerR<sup>+</sup>



**Medium voltage equipment  
built for safety**

Alliance Partner of  
**Schneider**  
Electric



**Marine Electricals**

## POWERING BUSINESS WORLDWIDE



Managing electrical distribution efficiently, reliably and safely is primary requirement of all business establishment, be it Industry, Data Center or Commercial Buildings.

At Marine Electricals, we help our customers in different segments, across the world to manage increasing complex power distribution and automation systems.

Established in 1978, we have been associated with projects of varied criticality and complexity in all the major segments like Oil & Gas, Chemicals, Pharmaceuticals, Automobile, Data Centers and Buildings.

We have vast pool of experts and experienced engineers in multi disciplinary fields to develop new solutions and manage operations. Our manufacturing facilities, certified as per ISO9001, ISO14001 and OHSAS28001 plant has latest state of art machinery, including CNC turrets & bending machines, automated powder coating plant and large assembly area to ensure meet challenging project schedules.

MEpower<sup>R+</sup> is our range of Medium Voltage Distribution Solutions, developed and tested, in alliance partnership with Schneider Electric.



### KEY VALUES

#### Safety First -

Our products are tested as per latest global standards

#### Customer-driven -

Products & services based on deep understanding of customer need

#### Innovation -

In Concepts, Processes and Aesthetic

#### Diverse Pool of Expertise -

Capable to adapt new technology and solutions

### OUR MEDIUM VOLTAGE RANGE

- 3.3 kV to 33 kV
- VCB, Contactor, RMUs, Load Break Switches
- Up to 4000 Amps.
- Indoor and Outdoor applications
- Cassette type or Roll-on floor breakers





## MEconnect<sup>+</sup>

With MEconnect MV system can be also integrated with communication network of the installation for Control and Diagnostics, Asset Management, Predictive Maintenance & Process Control.

## MAIN FEATURES

- Fully Bolted Metal Clad Design
- Fully Compartmentalized
- Integral Earth Switch or Earthing Trunk for Panels
- Extensible on Both Sides
- Epoxy based Powder Coating
- Indoor or Outdoor

## BENEFITS

- **Type Tested as per IEC-62271-200**
  - Short Time Withstand
  - Short Circuit Making & Breaking
  - Mechanical Endurance
  - Temperature Rise
  - Basic Insulation Level
  - **Internal Arc Withstand**
- Compact Design  
Robust Design  
Ready to Install  
High Switching Life  
Analytics with MEconnect

## TECHNICAL SPECIFICATIONS

Parameter	Characteristic
Rated Operational Voltage	: 3.3kV 6.6kV 11kV 22kV 36kV
Rated Frequency	: 50Hz
Insulation level / Peak	: 28kV/75kVp 70kV/170kVp
Rated Busbar current	: Upto 2500 Amps upto 2000 Amps
Rated short time withstand	: upto 25kA for 3 Sec upto 25 kA for 3 Sec
Internal arc as per IEC 62271-200	: upto 25kA for 1.0 Sec upto 25 kA for 1.0 Sec
Degree of Protection	: IP4X, IP-55 (Indoor/Outdoor)
Cubicle functionality	: Incomer, Feeder, Buscoupler, Motor Feeder
Metering and protection compartment	: Provided as per specs on TOP
Clearances	: As per IEC standards
Sheet Steel Thickness	: Load Bearing 2.5 mm, non load bearing 2.0mm

## SAFETY INTERLOCKS

Closing of the breaker not possible in intermediate position between Service, test and isolated position.

Insertion of breaker possible only if control plug is connected to sockets.

Control plug can be removed only when breaker is in isolated position.

Breaker cannot be inserted if earthing switch is ON and earthing switch cannot be switched on if Breaker is in test or service position.

Only same rating of the breaker can be interchanged.





# Our Products and Services



## LV Switchboard

- Upto 6300 Amps



## Busducts and Rising Mains

- Design & Procurement
- Erection & Commissioning



## LV Switchboard

- Upto 6300 Amps
- Licensed Partner of Schneider Electric



## Services

- Design and Development
- Annual Maintenance Contracts
- Automation & Connectivity Solutions
- Trainings

# Our Clients



## Marine Electricals (India) Limited

B-1 Udyog Sadan-3, MIDC,  
Marol Andheri, Mumbai 400093  
Tel: +91 22 40334300  
Email : info@marineelectricals.com  
Website : www.marineelectricals.com

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