

INNOVATIVE PRODUCTS WITH DYNAMIC FORCE<sup>®</sup>



**D Y N A M I C**  
E N T E R P R I S E S

**BUILT TO LAST**

**Manufacturer of :**

- DC Contactor
- Magnetic Latching DC Contactor
- Manual Battery Disconnecting Switch
- Vacuum Cast Epoxy HT Insulator
- DC-Electromagnet-Linear Actuator
- HT Earthing Switch



## Welcome to Dynamic Enterprises

Dynamic Enterprises, based in Pune, India, is a distinguished company specializing in the design, development and manufacturing of premium electrical components, with a strong emphasis on DC Contactors and HT Earthing Switches. With over 40 years of unparalleled expertise in the industry, Dynamic Enterprises has emerged as a trusted partner for businesses seeking reliable electrical solutions. Established in 1983, our journey is a testament to our unwavering commitment to excellence and innovation. We specialize in the development and manufacturing of Electromagnetic and DC Switchgear products, meticulously tailored to meet the unique specifications and technical requirements of our clients.

## LIST OF DYNAMIC PRODUCTS

### DC Contactors

- DC Contactor 100 – 3000 Amps @ 60 V DC
- Electric Vehicle DC Contactor (Forward/Reverse) (Forklift Contactor)
- Dynamic Braking Contactor (NC) upto 5000 Amps @ 1000 V
- High Current DC Contactor and High Voltage (OFF Load)
- Defence Vehicle DC Contactor
- Latching DC Contactor (Permanent Magnet Latching)
- Manual Battery Disconnecting Switches upto 500 Amps @ 60 V DC

### DC Solenoid

- Electromagnetic DC Solenoid
- Interlocking DC Solenoid (Locking System)
- Push-Pull Double Acting DC Solenoid
- Two Coil System Solenoid

### Railway Earthing Switches

- Single Pole Switches 400 Amps @ 3 K
- Two Pole Earthing Switch (Standard and Compact)
- Three Pole Earthing Switch (Compact Design) Can be supplied from 2-9 poles
- Four Pole Earthing Switch
- ITS Locomotive Switch (Isolation Test Switch)

### HT Earthing Switch

- High Voltage Earth Switch upto 78KV

### Insulator and Bus Bar Bushing

- Vacuum Cast Epoxy Insulator upto 78KV

### Recently Introduced and Tested

- RRTS (Rapid Regional Transit System) Two Pole Earth Switch
- MRTS (Mass Regional Transit System) Two Pole Earth Switch
- Voltage Indicator upto 4 KV AC/DC



## DC Contactors & Magnetic Latching Contactors

- Standard Specifications:** IS 13947 (Part 4/Sec1] DC 1 Duty.  
**Rating:** 80-3000 Amps @60 V DC  
**Configuration:**
  - Single Pole and Two Pole Normally open.
  - Single Pole Normally closed and Change Over.**Design Feature:**
  - Silver Alloy Contacts for Low Contact Resistance.
  - Powerful Electromagnet for High Contact Pressure.
  - Epoxy Encapsulated Coil.
  - Fire Retardant Contact Holder**Application:**
  - Power Distribution Center for Telecommunication
  - Battery Chargers
  - Switch Mode Power Supply
  - DC Motors/Power Control



## DC CONTACTOR for Battery Operated Vehicles

- Standard Specifications:** IS 13947(Part 4/Sec1) DC 3Duty.  
**Rating:** Up to 500 Amps @60 V DC  
**Configuration:**
  - Single Pole and Two Pole ON/OFF
  - Two Pole Change Over for Forward/Reverse**Design Feature:**
  - High Interrupting Ability
  - Aux. Contact up to 2NO + 2NC
  - Arc Quenching Magnetic Blow-Out System**Application:**
  - Electric Vehicles
  - Defence Vehicles

### Battery Disconnecting Manual Switch

- Standard Specifications:** DC 32b Duty  
**Rating:** Up to 500 Amps @60 V DC  
**Configuration:** Single Pole and Two Pole ON/OFF  
**Design Feature:**
  - Emergency Stop Switch
  - Contacts Opens with a Snap Action
  - On-Load breaking Design**Application:**
  - Electric Vehicles.



## Dynamic Braking Contactor

Rating:

Up to 6K Amps for 20 sec @ 1000V DC

Configuration:

Single Pole Normally Closed

Design Feature:

- Continuous Duty Coil
- DC Electromagnet with Rectifier Pack of AC Coil Input
- Epoxy Encapsulated Magnet Coil
- Aux. Contact up to 2NO + 2ND



## DC Electromagnet Linear Actuators

Rating:

Upto 25mm Stroke

Configuration:

Push, Pull and Two Way Acting (Push & Pull)

Design Feature:

- 6-220V DC Operating Coils
- Two Coil with Power Economizer
- Sintered/Teflon Bush Bearing

Application:

- Fuel OFF Solenoid in Diesel generating sets
- Hydraulic/Pneumatic Valve Actuator
- Locking System
- Lift Braking Solenoid
- Machine Tools / Textile Machinery

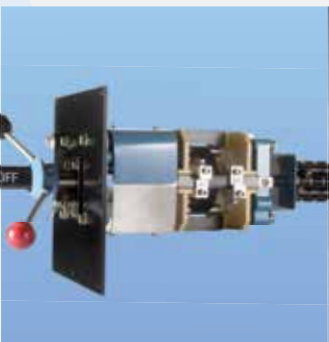
## Railway Switches

Rating:

300 amps @ 250V DC / 660V AC

Configuration & Feature:

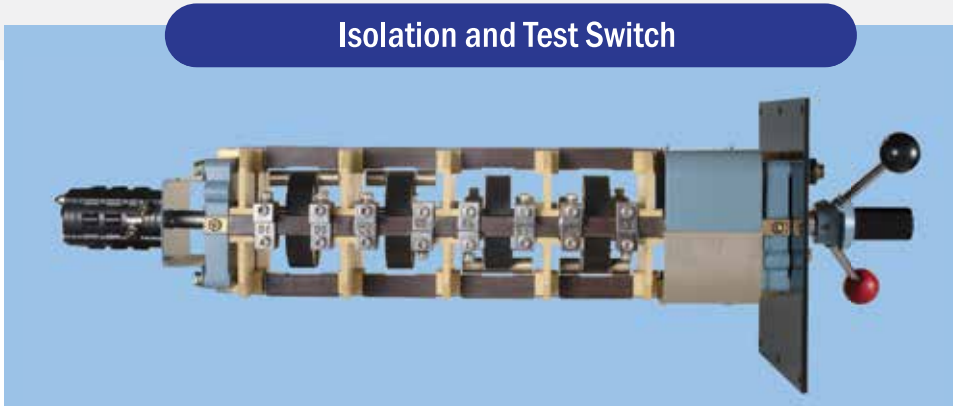
- Quick make and break mechanism
- Range is suitable for several duties depending upon the type of contact fitted
- All contacts silver alloy material
- Maximum continuous current with single contact pair 300 Amps
- Maximum continuous current with two contact pairs 550 Amps
- Breaking Capacity for non-inductive load
- For inductive application contact us
- Can be manufactured upto 8 poles with 4 positions





## Railway HT Earthing Switches

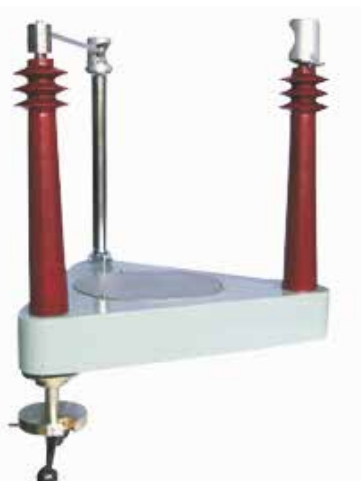
- Rating: 400 Amps @ 3KV DC Peak  
 Configuration: 2,3 & 4 Pole. Earth - Traction  
 Design Feature:
- Stainless Steel Housing
  - High Conductivity Copper Contacts
  - Cascading Locking System
  - Auxiliary Contact: 2NO + 2NC



## Isolation and Test Switch

- Rating: 400 Amps @ 110V DC  
 Configuration: Components can be configured to achieve various Switching types  
 Design Feature:
- Manual Drive with Snap Action
  - Silver Nickel Tips on Fixed & Moving Contacts

## HT Earthing Switch



- Rating: Up to 78 KV DC Peak  
 Applications:
- Electrostatic Precipitator
  - Thermal Power Plant
  - Iron & Steel Industry
  - Cement & Coal Industry
- Design feature:
- Manual, Solenoid & Motor Driven
  - High Dielectric & Mechanical Strengths
  - Vacuum Epoxy Moulded Insulators
  - Aux Switch for Position Indication.
- Configuration:
- Two Way Three Pole
  - Three way Four Pole

## HT Insulator ( Vacuum Epoxy Resin Cast )



Rating:

Up to 120 KV DC Peak

Design Feature:

- Mechanical & Chemical resistant Material
- High Dielectric & Mechanical Strength



**D Y N A M I C**  
E N T E R P R I S E S

[www.dynamic-contactors.com](http://www.dynamic-contactors.com)

J-257, MIDC, Bhosari, Pune - 411026 INDIA  
Mobile: +91 98220 46422, 80077 00678  
email: [dynamiclaxman@gmail.com](mailto:dynamiclaxman@gmail.com)



DynamicEnterprises



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