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Wall Mounted Boxes



- Range : Size 200 x 200 x 150 to 1200 x 1400 x 400 (W*H*D) in mm
- 41 different variants / Standard sizes
- Upto IP-66 & IK-10 version
- Available in MS Powder Coated & in SS-304 grade stainless steel.
- PU Jointless gasket
- LHS & RHS interchangeability of door
- Available with mounting plate & cable entry plate
- Single & Double door versions

Floor Standing Enclosure



- Available variants of standard panels: Tough-Rugged-Reliable TCE series Enclosure. Complete Modular - TME series enclosure
- Range: 600x1800x400 (WxHxD) in mm through 1200x2200x800 (WxHxD) in mm
- Upto IP 66 degree of protection. IK-10 and CE marked
- Powder coating in RAL-7035 shade followed by PU gasket
- Advanced 3 / 4 point locking mechanism with a swing handle for ease of opening
- Ideal for Automation, Special purpose machines, Control panels & instrumentation enclosures

Compartmentalized Enclosure (MCC / PCC / PMCC)



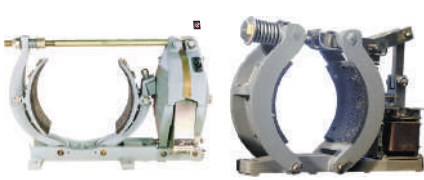
- A truly modular system to enable you to assemble type tested Switchboard as Single / Double Front Indoor / Outdoor Type options both in **Fixed & Drawout option**
- Internal segregation up to Form 4b
- Type tested according to new standard IEC 61439-1
- Short circuit withstand strength up to 50 KA for 1 sec
- Absolutely Flexible: Progressive & last minute design changes can be accommodated easily with little or no cost impact
- Mounting Plate adjustable throughout the feeder compartment
- Upto IP-54 class
- Drawout feeder available from 200mm height (2SU) to 800mm height (8SU)

Plugs & Sockets



- 'DS' De-contacts: 5 Pin 16A, 32A, 63A, 125A, 415V : with Integral Switching Device, : IP 65 Protection
- Heavy Duty Metal P&S 'SS' Type: : Power-3/4/5 Pin 30A, 415V : Control - 12 Pin 12A, 415V
- Plastic P&S, 'PS' Type: 3/4/5 Pins 20A/32A, 415V
- Metal Clad P&S 'MP' & 'MS' Type: 3 Pins 20A, 250V & 4Pin 30A, 415V
- Plug & Socket Boxes available with all type of Plug & Sockets in universal & flush mounted

DC & AC Brakes



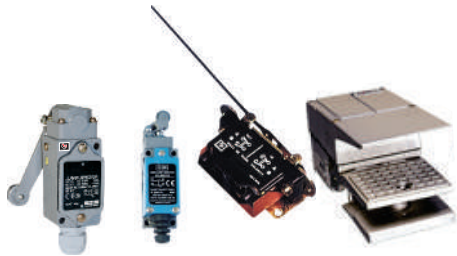
- DC Shunt Brakes: Size 150mm-800mm & 8"-30"wheel dia : Braking Torque 8kgm-1242kgm
- DC Series Brakes: Size 200mm-600mm & 8"-23"wheel dia : Braking Torque 13.8kgm-555kgm : Half hour & one hour rating
- Fail safe operations
- Brake coil Epoxy filled Class F insulation
- AC Solenoid : Pull type - 25, 31.4 & 40mm stroke length : Continuous & intermittent Duty
- AC Brakes : Brake size 4", 5.5", 7", 250mm : Braking Torque 13.6Nm-147Nm
- Neoprene shock absorber increases life of solenoid

Motor Control Center & Power Control Center



- Techno Modular Design with flexibility in construction, Fixed & withdrawable type in Single front & Double front execution upto form - 4B
- IP-54/55 design suitable for Indoor & Outdoor installation
- Bus Bar Rating up to 6300A with E91E grade Aluminium/ Electrolytic grade Copper Bus Bars
- Type tested for Short Circuit 4000A for 65 KA rms/1sec & 143KA peak fault withstand as per IS: 8623 & IEC:61439
- Type tested for Temperature rise 800A to 4000A from CPRI Bhopal as per IS: 8623 and IEC: 61439
- Intelligent motor control center with advanced IMC relays

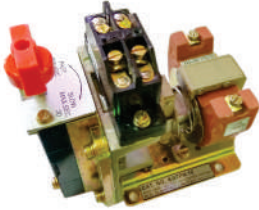
Limit Switches & Foot Switches



- Limit Switches:**
- Heavy Duty, Mini & Precision ranges of limit switches
 - Conforms to IEC-60947-5-1
 - Rugged & Reliable design
 - Zinc Die Cast body - Heavy & Mini Limit Switch
 - Wide range of operating heads

- Foot Switches:**
- Two & Three Positions
 - 1NO+1NC/2NO+2NC/4NO+4NC contact blocks
 - With & without latch options
 - With 'Guard' & with 'Shield' versions

KRTPN (Pneumatic Timer)



- 30 Sec/60Sec/180Sec
- AC & DC Supply
- PN Type- On Delay, PNI Type- On Delay+Instantaneous, PCN Type- On Delay+Off Delay
- 1NO+1NC/ 2NO+2NC contact blocks
- Completely maintainable i.e. coil, contact blocks and timing head can be replaced
- Special Timer for Railway application

Power Receptacles



- Welding Receptacles (16A-125A) with MCB / RCCB/ RCBO/MCCB/Switch/SFU as incomer
- Also available with mechanical interlock between socket & switch such that plug can not be removed while switch is on
- Single / Multiple outlet boxes 16/20/32/63/125A rating
- Loop in Loop out facility
- Higher degree of Ingress Protection up to IP-65
- 10 Tank processed powder coated enclosure in CRCA sheet / Stainless Steel (SS-304)/GI Sheet Steel
- PU Gasket for excellent sealing against dust and water



BCH
ELECTRIC
LIMITED

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complete
offering



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Works 2 : 64-68, Sector-7, IIE, Pant Nagar, Rudrapur, Udham Singh Nagar - 263 153 (Uttarakhand) Tel. : 0

AC Contactors



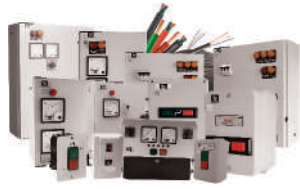
- Freedom 3 pole & 4 pole**
- 3P range : 6A to 1200AAC3 (3 Pole)
 - 4P range : 20A to 400AAC1 (4 Pole)
 - Conforms to IS/IEC 60947-4-1
 - High Electrical & Mechanical life
 - No deration up to 60° C (AC3 duty)
 - More energy saving
 - Compact construction
- Citation series 3 pole**
- Range: 32A to 150AAC3 (3 Pole)
 - Conforms to IS/IEC 60947-4-1
 - Wide terminal space for reliable & durable termination

DC Contactors



- Range : 50A-600A at 600VDC
- Ready to use mechanically inter locked versions
- Normally closed versions available
- Hold on coil for time delay
- Mechanical life : 20 million operations
- Electrical life : 1 million operations

Motor Starters & Submersible Pump Starters



- DOL Starters - range upto 40HP
- Star-Delta Starters - range upto 375HP
- 3-Ph Submersible Pump Starters range
 - » DOL upto 40A relay range
 - » Star-Delta upto 135A relay range
- 1-Ph Submersible Pump Starters - upto 32A relay range
- Oil Immersed DOL & Star Delta Starters
- Mini Manual Starters, 1-ph DOL, Auto start DOL
- Fully-Automatic & Semi-Automatic Starters available
- Protects motor from phase failure, phase reversal and phase imbalance
- Conforms to standard IEC 60947-4-1

Ultra Power range of 3 Pole & 4 Pole ACBs



- Range: 800A to 6300A in 3 frames
- Complete range conforms to IS/IEC 60947-2
- Manually & Electrically operated, Fixed/Draw-out versions
- Icu=Ics=Icw for 1 sec for total selectivity
- Common Height & Depth across the complete range
- High mechanical and electrical operating life
- Neutral pole is 100% rated
- In-built Electrical & Mechanical Anti-pumping
- Modular & snap-fit accessories
- RoHS Compliant

Motors



- IE2, IE3 & IE4 efficiency motors
- 0.12 KW to 315 KW
- 2P, 4P, 6P & 8P
- Inverter duty Motors
- Crane & Hoist application Motors
- Brake Motors
- Multi speed Motors
- Cooling Tower
- Oil immersed Motors
- Ginning Motors

Plug in Relays



- ARP series Plug in Relay**
- 2 & 3 Changeover Universal relays-10Amp
 - 4 & 2 Changeover Miniature relays -6Amp, 12Amp
 - 12/24/48/110 VDC Coil Voltage
 - 12/24/48/110/230 VAC Coil Voltage
 - Mechanical indicators and test/latch button
- ASP series Plug in Relay**
- 2 & 3 Changeover Universal relays-10Amp/5Amp
 - 2 & 4 Changeover Miniature relays -5Amp
 - 12/24/48/110 VDC Coil Voltage
 - 12/24/48/110/230 VAC Coil Voltage

LT Power Capacitors - Cylindrical & Box Type



- Range: 1 kVAR to 25 kVAR
- MPP Cylindrical type - Normal & Heavy Duty
- MPP Box type-Normal & Heavy Duty
- APP Box type-Single layer, Heavy Duty
- SHDLL Box type-Super Heavy Duty (5 yrs. warranty)
- Rated Voltage (Vn): 440V/ 480V/525V
- Frequency : 50 (+/- 3%) Hz
- Insulation Voltage : 3kV AC
- Rated Temperature : 50° C

4 Pole & 2 Pole Contactors



- 4 Pole Contactor ratings 12, 16, 20, 25, 32, & 40A
- 2 Pole Contactor ratings 12, 16, 20, 25, 32, & 40A
- Conforms to IEC60947-4-1
- Electrical endurance (AC3) : 1 Million Operations
- Encapsulated Coil for high withstand capacity
- Compact & Robust construction using high grade moulding
- Weld resistant Silver Alloy contacts
- Wide Band Coil options available
- Spare Coil and spare Contact Kit available

Overload Relays



- Citation series**
- Wide range: 0.195A to 600A
 - Built in single phasing protection
 - Ambient temperature compensated
 - Direct mounting & Separate mounting options
 - Class10A
- Freedom series**
- Range: 0.1A to 80A
 - Built in Single Phasing Protection
 - Ambient temperature compensated
 - Class-10A
 - Direct & Separate mounting option

Motor Protection Circuit Breaker (MPCB)



- Available in three models (MS, MPE & MPH Series)**
- Range: 0.1A to 32A
 - Conforms to IEC 60947-4, IEC 60947-2
 - Mechanical & Electrical Endurance : 1 lakh operations
 - Side mounting & top mounting aux. contacts
 - UV & Shunt release
 - Clear trip indication
 - Rotary Handle option in MPH range

Moulded Case Circuit Breakers 3P & 4P

X-Range MCCBs



- 3P range: 10A-1250A
- 4P range: 20A-1250A
- Breaking Capacity : 10kA to 50kA
- Tested & Certified as per IS/IEC-60947-2
- Ics=100%, 75% & 50% of Icu
- Available in Thermal Magnetic (Fixed & Variable) and
- Microprocessor based (LSI & LSIG)
- Suitable for Isolation
- Line load interchangeability
- Double