



**Control & Signalling Devices**  
(Metallic & Polycarbonate Series)

- Conforms to IEC 60947-4-1; IS 13947-4-1
  - Wide range  $\phi$ 22.5mm; Push Buttons, Emergency Stop, Selector Switch, Illuminated and Non-illuminated Actuators
  - Pilot Lamps - LED / Filament / Neon variants
- Push Button Stations**
- Range: 1, 2, 3 & 4 ways; IP-65 box with different combination of Push Buttons / Selectors : Ingress protection IP 65 / 66; NEMA 4 / 4X
  - Stations in Aluminium die cast / Plastic boxes



**Motor Starters**

- Conforms to IS 13947-4-1
- Industrial Motor Starters**
- DOL Starter 3 phase range 0.50HP to 60HP
  - Reversing DOL Starter 3 phase 0.5HP to 20HP
  - Star Delta Starter 3 phase 4HP to 350HP
  - Intelligent Star Delta & Auto Transformer Starter range 40HP thru 500HP
- Anmol Motor Starters**
- DOL & Auto DOL Starters range 1.5 thru 25A
  - 1 $\phi$  DOL Starter: 0.5HP to 3HP
  - Automatic Star Delta Starters: 4HP to 25 HP
  - Submersible Pump Starters: upto 35HP
  - 1 $\phi$  Submersible Pump Starter: 0.5HP to 3HP



**Industrial Plug & Sockets**

- IEC 60309 series Industrial Plugs & Sockets
- 3 Pin 16, 32 & 63A, 240V AC IP 44 & 67 versions
- 5 Pin 16, 32 & 63A, 415V AC IP 44 & 67 versions
- 3, 5 Pin 16 & 32A, 240/415V AC Interlocked Sockets IP 44 & 67 versions
- AC Distribution Box with Socket 16, 32 & 63A IP 40 versions
- Color codes for different voltage frequencies of Plugs & Sockets
- Secure & reliable
- High grade thermoplastic material



**WiNtrip Miniature Circuit Breaker**

- Wide range 1P, 1P+N, 2P, 3P, 3P+N, 4P, Trip Type B, C & D, Breaking Capacity 10kA
- In 0.5A ~ 125A
- DC MCB - 1P & 2P; In 0.5A ~ 63A, 4kA
- Isolator - 1P, 2P, 3P & 4P, 25~125A
- IP 20 Degree Protection
- Trip Free Mechanism with Padlocking Facility
- Low Power Consumption
- Current Limiting Design - Class 3
- Engineered Thermo Plastic Housing



**WiNtrip RCCB**

- The range is available in 2 & 4 Pole configurations in 16, 20, 25, 32, 40, 63, 80 & 100Amps in 30, 100 & 300mA
- Automatically measures and disconnect the circuit when earth fault/leakage current occurs and exceeds the rated sensitivity
- High short-circuit current withstand capacity - 6kA
- Dual termination possible for both cable and comb type busbar

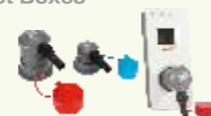


**WiNtrip Distribution Board**

- Wide Range: SPN & TPN Horizontal DB 4, 6, 8, 12 & 16 way Single & Double Door
- WiNclass SPN / TPN Distribution Board Horizontal - Single & Double door
- VTPN DB with provision for MCB / MCCB as incomer DB in 4, 8 & 12 way
- PPI Distribution Board in 4, 8 & 12 way
- Phase selector DB / Pre-wire DB / Flexy DB
- 7 Segment DB / TV Telephone DBs
- Metal & Plastic enclosures for MCB
- Acrylic SPN Distribution Board - Double door
- Cable End Box Distribution Board
- Fully equipped DBs supplied with Insulated / Captive Busbar and Neutral Links along with earth and inter connecting links
- Pan assembly for ease of installation
- Deep drawn door for better aesthetics and long life with no welding joints. Glossy finish with 60 micron power coating

**WiNtrip MCB Changeover Switch**

- Rating: 25 & 40A
- Version: 2P & 4P
- Conforms to IS/IEC60947-3:1999

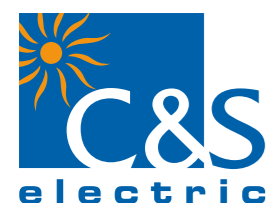


**WiNtrip Plug & Socket Boxes**

- Rating: 10, 20, 30A



C&S Electric has 20 state-of-the art manufacturing plants, 20 sales office, more than 300 authorised Sales Stockist, 36 Service Centre across India and its products are exported to 78 countries. C&S Electric has several associate & JV companies, which provides comprehensive products & services to our customers.



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C&S Electric Ltd. is amongst the leading suppliers of electrical equipment in India and is India's largest exporter of industrial switchgear. It's wide range of electrical and electronic products find application in power generation, distribution, control, protection and final consumption.

In India, C&S Electric LV Components have served for over three decades in critical applications like power plants, refineries, buildings, telecom & infrastructures.

C&S LV Components touches everyone's life everyday, by protecting your homes, life & increasing your productivity at works.



**Switch Disconnectors**  
(with and without Fuses)

- Conforms to IEC 60947; ASTA tested, CE marked
- Wide Range; 32A to 800A (with fuses) 690V, 25A to 3150A (without fuses), 1000V
- Double break, quick make & break mechanism, modular construction & self cleaning contacts
- Available in 2 Pole, 3 Pole, TPN, 4 Pole & 6 Pole version
- Wide range of accessories



**New Test Positing SDF**

- Compact in Size
- Available in 32A & 63A, 3Pole & 4Pole version
- Option of side & central mechanism
- Special design ensures low Bouncing during closing, improves electrical life
- Option of Isolable, Solid as well as Switched neutral
- Suitable for bolted, cylindrical & Off Set Tag type fuses



**Changeover & Bypass Switches**  
(with & without fuses)

- On Load Changeover Switch without Fuse**
  - 3 & 4 Pole Compact On-Load Changeover Switch 63A - 3150A, 415V, 50Hz
- Changeover Switch with Fuse**
  - 3 & 4 Pole Compact SDF Changeover 125A - 800A, with Conventional Changeover Mechanism, 415V, 50Hz
- Bypass Switch**
  - Wide Range 4P, 63A - 1800A, 415V, 50Hz



**Air Circuit Breakers**

- Conforms to IEC947/IS13947; Certification from ASTA & CPRI
- Widest range 400A to 6300A; 4 frame sizes; 3/4 poles available in manual/electrical, fixed/draw-out version
- Fastest opening & closing ACB
- Also suitable for Naval, Capacitor & DC application.
- High rated breaking capacity (Ics=Icu=Icw for 1sec.) 45kA to 100kA
- Available with multifunction Micro processor based Communication Release & Thermal Magnetic Release.
- Communication compatible thru RS-485 Port with feature of zone selectivity interlocking.



**WiNbreak2 MCCBs**

- Simplified Product Range 16~1600A
- High Performance Ics = 100% Icu up to 150kA; Uimp: 8kV; Ui: 750V & Ue: 690V AC/500V DC
- Fastest opening MCCB
- Wide Option of Common Electrical accessories (Aux., AL, UVT, ST) for entire range, Motor Operator, Direct & Extended Rotary handle
- Double Break Contact with exceptional current limiting features
- Wide Option of Trip Units:
  - Thermal Magnetic Release
  - Electronic Trip Unit
  - Multi-functional electronic trip unit



**New WiNbreak MCCBs**

- Conforms to IEC 60947-2/IS 13947-2
- Wide Range: Rating 15 - 1200A Breaking capacity 15 - 85kA, Ics = 100% Icu
- Upgraded reliability (Ui - 750V, Uimp - 8kV)
- Upgraded coordination
- Higher breaking capacity in lower frame size
- Exceptional current limiting design
- Rapid Arc extinguishing using PASQ technology
- Suitable for disconnecting function / positive isolation
- Common range of internal accessories for up to 250AF.



**ACE2 MCCBs**

- Conforms to IEC-60947-2
- Wide range 16 to 250A, 3&4 Pole version
- Breaking capacity (Ics=100% Icu) 36kA
- Double break contact with exceptional current limiting feature
- Adjustable Thermal Magnetic Release\*
- Operation-Manual as well as Motor driven mechanism
- Front Fitted electrical Accessories

\*Also available with Electronic Release (40-1250A)



**Power Capacitor**

- Conforms to IEC-60831-1/2 IS:13340/41
- Wide range Cylindrical type 1~30kVAR Rectangular type 1~50kVAR
- Compact Design, low weight
- Self Healing Technology with feature of overpressure disconnecter
- Wavy Cut technique ensure maximum effective surface for metal spraying
- Low Di-electric losses
- Suitable for Normal & Heavy duty applications
- Easy Installation & Connection



**HRC Fuse Links & Fuse Bases**

- Conforms to IS 13703; certification from CPRI / ERDA
- Complete range to choose from

Product	Size / Ratings			
	Size 00	Size 1	Size 2	Size 3
Fuse Link-DIN	2 to 160A	32 to 250A	100 to 400A	315 to 630A
Fuse Base	160A	250A	400A	630A
Fuse Link-BS	2 to 800A; OFF Set Tag & Central Tag type			
Fuse Holder	Available for 20A, 32A, 63A & 100A			

- Short circuit capacity at 80kA at 500V, AC for all ratings.
- Low power loss



**robustTa Contactor**

- Conforms IEC 60947-4-1; IS 13947-4-1
- Superior functional aesthetics and advanced performance
- Wide range of 3 & 4P Contactors 9A thru 800A & Control Relays
- Common add-on accessories - Front / Side Auxiliary Contact Block, Pneumatic Timer block, Mechanical Interlock & coil suppressor
- Compatible overload relays, Auto / Manual reset, range 0.1A thru 1000A with built-in single phase protection



**4P & 2P Contactors**

- 4 Pole Contactor**
  - Heavy duty Contactor rating 20, 25 & 40A Ac3
  - Extra wide band coils
  - Mechanical interlock & Add-on block
- 2 Pole Contactor**
  - Rating 20 & 25A AC3 at 220V
  - Extra wide band Coil



**D Range Contactor**

- Conforms to IEC 60947-4-1; IS 13947-4-1
- 3P Power Contactors range 9A thru 80A & Control Relays in #3 variants
- Common add-on accessories - Front Auxiliary Contact Block, Pneumatic timer, Mechanical Interlock, Latch Block & Coil suppressor
- Compatible overload relays, manual/reset range 0.10A thru 66A with built-in single phase protection



**Mini Contactor**

- Conforms to IEC60947-4-1; IS 13947-4-1
- 3P Power Contactor with 1 built in aux. contact 9A thru 16A
- Control relays in #5 variants in AC & DC coil
- Common add-on accessories-Front/Side Auxiliary Contact Block, Electronics Timer, Mechanical Interlock & Coil Suppressor
- Compatible overload relays, auto/manual reset, range 0.1A thru 16A with built-in single phase protection



**Motor Protection Circuit Breaker**

- Conforms to IEC60947-4-1; IS 13947-4-1
- Wide range 0.1A thru 100A, #3 frame size, #22 relay range variants
- Breaking capacity Icu = Ics upto 100kA
- Common accessories - Front / Side Auxiliary Contact Block, Alarm Switch, Shunt release, Under voltage release
- Available Adapter Kit, Busbar, Extended handle
- High Mechanical/Electrical Life



**Definite Purpose Contactors**

- Conforms to IEC 60947-4-1 & IS 13947-4-1
- Available in rating 20A, 25A, 30A & 40A in 1, 2 & 3P variants
- Electrical life: 200,000 operations
- Ambient Air Temp: - 40° to + 65° C
- Ambient air dampness around the device: 45 to 85% RH
- Coil voltage: 80% - 110% of rate voltage
- Application: Ventilation & HVAC: Heating Elements, Power Supplies & Compressors

