



**MCB & Isolator**

- Wide range: 0.5A - 125A
- Poles: 1P, 1P+N, 2P, 3P, 3P+N, 4P
- Tripping curves: B, C & D
- Breaking capacity: 10kA
- DC MCB range: 6A- 40A; 1P & 2P; 3kA & 6kA
- Isolator range: 25A-125A; 1P, 2P, 3P & 4P,
- IP20 degree protection
- Trip Free mechanism with padlocking facility
- Low power consumption
- Current limiting design - class 3
- Air circulation



**MCB Changeover Switch**

- Range: 25A, 40A & 63A
- Version: 2P & 4P
- Conforms to IS/IEC60947-3:1999



**RCCB**

- Range: 10A-100A; 2P & 4P
- Sensitivity 30mA, 100mA & 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



**Distribution Board**

- Wide range: SPN & TPN horizontal DB 4, 6, 8, 12 & 16 way single & double door
- WiNclass SPN/TPN DB horizontal-single & double door
- VTPN DB with provision for MCB / MCCB as incomer in 4, 8 & 12 way; PPI DB in 4, 8 & 12 way
- Phase selector DB, Pre-wired DB, Flexy DB, 7 segment DB, TV telephone DB, metal & plastic enclosures for MCB, acrylic SPN DB-double door & cable end box
- Polycarbonate consumer unit DB in 6, 8, 10, 12 & 16 way
- 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

Power Control Components



**2P & 4P Contactors**

- 2 Pole Contactor**
- Range: 20A, 25A & 40A AC3
  - Extra wide band Coil
  - Add on block
- 4 Pole Contactor**
- Heavy duty contactor range: 20, 25 & 40A AC3
  - Extra wide band coil
  - Mechanical interlock & add-on block



**Motor Protection Circuit Breakers**

- Conforms to IEC 60947-2; IS 13947-2
- Wide range: 0.1A-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



**Agro Motor Starters**

- Anmol Motor Starters**
- Conforms to IS 13947-4-1
  - DOL starter range: 1HP-15HP
  - Auto start DOL starter range: 1HP-15HP
  - 1Ø DOL starter range: 0.5HP-3HP
  - Automatic star delta starter range: 7.5HP-25HP
  - Submersible pump starters range: upto 50HP
  - 1Ø Submersible pump starter range: 0.5-5HP



**D Range Contactors**

- Conforms to IEC 60947-4-1; IS/IEC 60947-4-1
- 3P Power contactors range: 9A-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-66A with built-in single phase protection



**Definite Purpose Contactors**

- Range: 20A, 25A, 30A & 40A in 1P, 2P & 3P variants
- Electrical life: 200,000 operations
- Ambient air temperature: - 40° to + 65° C
- Ambient air dampness around the device: 45% to 85% RH
- Coil voltage: 80% to 110% of rate voltage
- Application: Ventilation & HVAC: Heating elements, power supplies & compressors



**Industrial Motor Starters**

- Industrial Motor Starters**
- Conforms to IS 13947-4-1
  - 3Ø DOL starter range: 0.50HP-60HP
  - 3Ø Reversing DOL starter range: 0.5HP-20HP
  - 3Ø Star delta starter range: 7.5HP-350HP
- Custom built Starter solutions with incomer MCCB & Electronic Motor Protection Relay**
- 3Ø Smart star delta starter range: 20HP-150HP
  - 3Ø Intelligent star delta starter range: 40HP- 350HP
  - 3Ø Intelligent auto transformer starter range: 40HP- 350HP



**Capacitor Duty Contactors**

- Conforms IEC 60947-4-1; IS/IEC 60947-4-1
- Range: 2.5kVAR ~ 100kVAR
- 3 Pole, 415VAC
- AC-6b utilization category
- Excellent damping of In-rush current
- Switching of capacitor banks without derating
- Wide range AC coil options 50/60Hz



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

- Conforms to IEC 60947-5-1; IS 13947-5-1
- Wide range: φ22.5mm; Push Buttons, Emergency Stop, Selector Switch, illuminated & non- illuminated Actuators in metal & plastic
- 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



**Industrial Plugs & Sockets**

- IEC 60309 series industrial plugs & sockets
- 3 Pin 16A, 32A & 63A, 240V AC IP44 & 67 versions
- 5 Pin 16A, 32A, 63A & 125A, 415V AC IP44 & 67 versions
- 3, 5 Pin 16A & 32A, 240/415V AC interlocked sockets IP44 & 67 versions
- AC distribution box with socket 16A, 32A & 63A IP40 versions
- Color codes for different voltage frequencies of plugs & sockets
- Secure & reliable
- High grade thermoplastic material



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**LV Components**

- Power Distribution
- Power Control
- Final Power Distribution

C&S Electric Limited 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 5 decades in critical applications like power plants, refineries, buildings, telecom & infrastructures.



ACB - WiNmaster 3

- Conforms to IS/IEC 60947-2
- Wide range: 630A - 4000A; 3P / 4P
- Breaking capacity upto 80kA
- Common accessories across the range
- Modular construction with most compact dimensions
- High mechanical & electrical operating life
- Universal Termination
- Intelligent MicroPro3 releases with communication protocol through MODBUS, Rs485 with feature of zone selectivity interlocking
- Interchangeable trip units for same thermal ratings



ACB - AH / AHA

- Conforms to IS / IEC 60947-2
- Widest range 630A- 6300A; 3P / 4P
- Versions: manual / electrical, fixed / draw-out
- Fastest opening & closing ACB
- Also suitable for Naval, capacitor & DC application.
- 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.



MCCB - WiNbreak1

- Conforms to IS/IEC 60947-2
- Wide range: 16A-400A, 1/2/3/4 Pole
- Breaking capacity: up to 50kA; Ics=100% Icu; Uimp: 8kV; Ui: 750V & 1000V
- Wide option of electrical accessories (Aux., AX+AL, AL, UVT, ST) for entire range, extended rotary handles
- Wide option of trip units:
  - Fixed thermal magnetic
  - Adjustable thermal magnetic
  - Microprocessor multi-functional
  - Application release for motor backup



ACB - WiNmaster 2

- Conforms to 1S/IEC 60947-2
- Wide range: 630A-2500A; 3P / 4P
- Versions: manual / electrical, fixed / draw-out
- Breaking capacity: Ics=Icu=Icw upto 50kA
- Modular construction
- Common accessories upto 2500A
- Available with intelligent MicroPro2 release with communication protocol through MODBUS, Rs485 with feature of zone selectivity interlocking



MCCB - WiNbreak2

- Conforms to IS/IEC 60947-2
- Wide range: 16A-1600A
- Breaking capacity: up to 150kA; Ics=100% Icu; Uimp: 8kV; Ui: 1000V
- Wide Option of common electrical accessories (Aux., AL, UVT, ST) , motor operator, direct & extended rotary handle
- Double break contact with exceptional current limiting features
- Wide option of trip units :
  - Adjustable thermal magnetic release
  - Electronic trip unit
  - Multi-functional electronic trip unit



MCCB - WiNbreak CSC Series

- Conforms to IS/IEC 60947-2
- Wide range: 15A-1200A
- Breaking capacity: up to 85kA; Ics=100% Icu; Uimp: 8kV; Ui: 750V
- Wide option of electrical accessories (Aux., AL, UVT, ST) , direct & extended rotary handles
- Upgraded coordination
- Exceptional current limiting design
- Rapid arc extinguishing using PASQ technology
- Suitable for disconnecting function / positive isolation
- Available in fixed thermal magnetic trip unit.



Switch Disconnectors

- Conforms to IEC 60947-3
- Range: 25A - 3150A
- Utilization category AC23
- Available in 2P, 3P, 4P & 6P versions
- Rated impulse voltage 12 kV
- Modular pole design
- IP 54 in SS enclosure
- Telescopic shaft
- Mounting flexibility-side or central mechanism
- Accessories - Aux. contact, key & castle lock



robustA Contactor

- Conforms IEC 60947-4-1; IEC 60947- 5 -1
- Power contactor range: 9A-2100A; 3P & 4P; control relays
- Superior functional aesthetics and advanced performance
- Common add-on accessories - front / side auxiliary contact block, pneumatic timer block, mechanical interlock & coil suppressor
- Overload relays range: 0.1A- 1000A; auto / manual reset with built-in single phase protection



MCCB - WiNbreak CS Series

- Conforms to IS/IEC 60947-2
- Range: 15A-400A, 2, 3 & 4 Pole
- Breaking capacity: 10kA, 18kA & 25kA
- Positive Isolation
- Trip free mechanism
- SS Enclosure available
- Standard packing includes Spreader terminals, Insulating phase barriers and Hardwares.



Changeover & Bypass Switches (with & without fuses)

- On Load Changeover Switch without Fuse**
  - Compact on-load changeover switch range: 63A-3150A, 3P & 4P; 415V, 50Hz
- Changeover Switch with Fuse**
  - Compact SDF changeover switch range: 125A-800A, 3P & 4P with conventional changeover mechanism, 415V, 50Hz
- Bypass Switch**
  - Wide range: 63A-1800A, 4P; 415V, 50Hz



robustA2 Contactor

- Conforms IEC 60947-4-1; IEC 60947- 5 -1
- Power contactor range: 7A-38A; AC3; 4P; 45mm width
- In-built 1 NO+1 NC auxiliary contacts
- Common add-on accessories - front / side auxiliary contact block, pneumatic timer block, mechanical interlock & coil suppressor
- Easy coil replacement ... snap fit design
- Auto/manual reset, built-in single phase protection
- High mechanical & electrical endurance
- Overload relay range: 0.1A-38A



Switch Disconnecter Fuse

- Conforms to IEC 60947-3
- Range: 32A - 800A
- Utilization category: AC23A
- Available in 3P, 3P+N & 4P module with DIN & BS version
- IP 54 SS enclosure
- Rated impulse voltage 12 kV
- Double break mechanism
- Accessories-Aux. contact, key & castle lock
- Suitable for AC & DC power distribution system



HRC Fuse Links & Fuse Bases

- Conforms to IS 13703-Part 2; IEC 60269-Part 2
  - 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



Mini Contactor

- Conforms IEC 60947-4-1; IEC 60947- 5 -1
- Power contactor range: 9A-16A; 3P with 1 built in auxiliary contact
- 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 range: 0.1A-16A; auto/manual reset with built-in single phase protection



## Modular Wiring Accessories

### DIVINO SWITCHES



- Switches 6A, 16A & 25A
- Fan regulator / dimmer
- Sockets 6A, 13A, 16A & 25A
- Telephone, Computer & TV socket
- USB Charger
- Hospitality range
- Modular Miniature Case Circuit Breaker
- Motor Starter
- Top plates with support plate
- Metal & Plastic Boxes

### COMBI WEATHER-PROOF ENCLOSURES.



- IP55 & IP40 enclosures
- Handy/add-on power extension box
- Top Plug 6A, 16A & 25A
- Top Plug with Indicator 16A, 25A

### PrimoPlus SWITCHES



- Switches 6A, 16A & 25A
- Fan regulator / dimmer
- Sockets 6A, 16A & 25A
- Telephone, Computer & TV socket
- USB Charger
- Hospitality range
- Modular Miniature Case Circuit Breaker
- Power Unit
- Top plates with support plate
- Metal Boxes- Fabricated