



With entice switches  
and TRIPBOX PLUS DBs



**Maximum Retail Prices**  
*Effective from 01-01- 2017*



## ABOUT L&T

Larsen & Toubro infuses engineering with imagination. The Company offers a wide range of advanced solutions in the field of Engineering, Construction, Electrical & Automation, Machinery and Information Technology.

L&T Switchgear, a part of the Electrical & Automation business, is India's largest manufacturer of low voltage switchgear, with the scale, sophistication and range to meet global benchmarks. With over five decades of experience in this field, the Company today enjoys a leadership position in the Indian market with a growing international presence.

It offers a complete range of products including powergear, controlgear, industrial automation, building electricals & automation, reactive power management, energy meters, and protective relays. These products conform to Indian and International Standards.

L&T now offers the most comprehensive range of building electricals. From Wiring Accessories, MCBs, RCCBs, EL-MCBs, DBs, MCCB to Solar Lantern, you will find them all. Simply put, a one stop solution for building electricals with the assurance that you can expect only from a leader!

Switchgear Factory, Navi Mumbai



Switchgear Factory, Ahmednagar

# Designed to Dazzle

## Inspired by the beauty of India

Ethereal Beauty lies in the whole and soul of India. And we have woven the same kind of magic into entice. Its beautiful ribless design, cleverly contoured edges and the gorgeously glossy surface indeed adds to the beauty of your walls.







## entice is

### Innovative

- Vertical mounting feature suitable to use plates as customer choice
- Full rotational fan regulator knob ensures no breakages of knob
- Rib less design: No dust collection between two switches

### Durable

- Long life: 3 lakh switching operations ensured
- Long life LED used for Indicator switches
- Strong and reliable snap fitting ensures perfect installation

### Flexible

- All plates suitable to standard mounting boxes
- Special provision for furniture mounting

### Stylish

- High gloss mirror finish

### Convenient

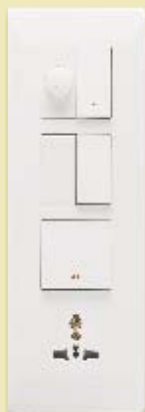
- Easy fitment: Captive terminal screws, tunnel terminals

### Safe

- High grade fire retardant materials for more safety
- Safety shutter in all sockets - Safe home, safe life
- Spark shield in switches ensure no visible spark

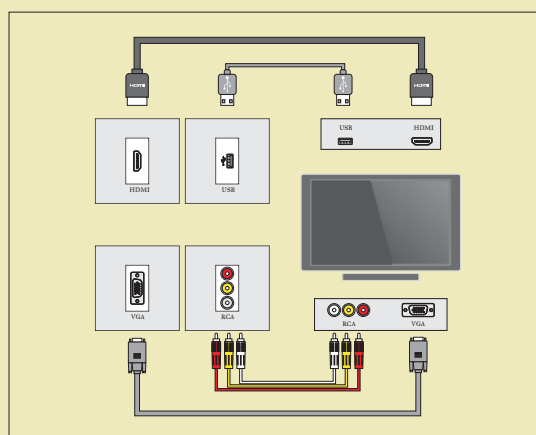
### Smart

- Multimedia smart connectors range - HDMI, USB, VGA and RCA connectors
- Modular USB Charger - charge your mobiles in smarter and convenient way



## Multi Media Connectors

- HDMI, VGA, RCA, and USB connectors for smart way to connect multi media wires
- Complete connector solutions for LED/LCD TV, computers, DVD players, set top box, projectors etc.
- Designed to data transfer at high speed without any distortions in images and video
- Reliable and long life connectors

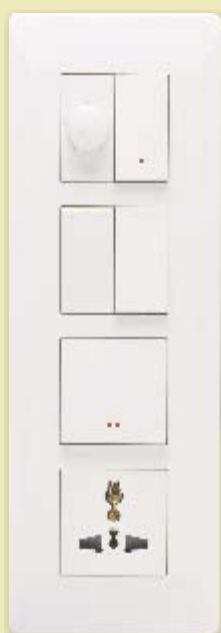


Wiring connection for TV application



## Modular USB Charger

- Modular USB charger offers innovative solution to charge mobile phones, digital camera and other gadgets
- Simple connection and Suitable to android/i Phones
- Power indicator shows device is ready to charge
- Input : 230V AC, Output : 5 V DC, 1000 mA



## Horizontal or Vertical Mounting...Choice is Yours...

- Plates can be mounted horizontally or vertically as per site requirements
- This feature is available in 4 module, 6 module and 8 module plates
- Very useful where horizontal space is an issue like pillars, furniture, stairs etc
- All entice products can be mounted in any direction gives flexibility to installations



## Switches and Bell Push with Certification



CB91101SW06 CB91301SW06 CB91201SW06 CB91402SW20 CB91101BW06 CB91301BW10  
CB91101SW10 CB91301SW10 CB91201SW10 CB91402SW32 CB91101BW10 CB91301BW10  
CB91101SW16 CB91301SW16 CB91201SW16

| Rating | Module | Description                          | Cat. Nos.   | MRP (₹) Per Unit | Std Pkg |
|--------|--------|--------------------------------------|-------------|------------------|---------|
| 6AX    | 1      | Switch 1-way 6AX                     | CB91101SW06 | 101              | 20      |
| 6AX    | 1      | Switch 1-way 6AX with LED indicator  | CB91301SW06 | 153              | 20      |
| 6AX    | 1      | Switch 2-way 6AX                     | CB91201SW06 | 145              | 20      |
| 10AX   | 1      | Switch 1-way 10AX                    | CB91101SW10 | 101              | 20      |
| 10AX   | 1      | Switch 1-way 10AX with LED indicator | CB91301SW10 | 153              | 20      |
| 10AX   | 1      | Switch 2-way 10AX                    | CB91201SW10 | 145              | 20      |
| 16AX   | 1      | Switch 1-way 16AX                    | CB91101SW16 | 170              | 20      |
| 16AX   | 1      | Switch 1-way 16AX with LED indicator | CB91301SW16 | 205              | 20      |
| 16AX   | 1      | Switch 2-way 16AX                    | CB91201SW16 | 205              | 20      |
| 20A    | 2      | Switch 20A DP with LED indicator     | CB91402SW20 | 330              | 10      |
| 32A    | 2      | Switch 32A DP with LED indicator     | CB91402SW32 | 395              | 10      |
| 6AX    | 1      | Bell push 6A                         | CB91101BW06 | 152              | 20      |
| 10AX   | 1      | Bell push 10A                        | CB91101BW10 | 152              | 20      |
| 10AX   | 1      | Bell push 10A with LED indicator     | CB91301BW10 | 175              | 20      |
| 10AX   | 2      | Bell push 10A with LED indicator     | CB91302BW10 | 225              | 10      |

## Motor Starters



CB91102MW20  
CB91102MW25

| Rating | Module | Description                              | Cat. Nos.   | MRP (₹) Per Unit | Std Pkg |
|--------|--------|------------------------------------------|-------------|------------------|---------|
| 20A    | 2      | Motor starter-modular type, Single phase | CB91102MW20 | 688              | 10      |
| 25A    | 2      | Motor starter-modular type, Single phase | CB91102MW25 | 702              | 10      |

## Power Sockets



CB91101CW06 CB91202CW06 CB91302CW16 CB91402CW13  
CB91302CW25

| Rating  | Module | Description                                                                                                     | Cat. Nos.   | MRP (₹) Per Unit | Std Pkg |
|---------|--------|-----------------------------------------------------------------------------------------------------------------|-------------|------------------|---------|
| 6A      | 1      | Socket 2-pin Euro type 6A                                                                                       | CB91101CW06 | 128              | 20      |
| 6A      | 2      | Socket 2/3-pin type 6A with  | CB91202CW06 | 162              | 10      |
| 6A/16A  | 2      | Socket 6A/16A combined with  | CB91302CW16 | 259              | 10      |
| 10A/25A | 2      | Socket 10A/25A combined                                                                                         | CB91302CW25 | 285              | 10      |
| 13A     | 2      | Socket universal 13A                                                                                            | CB91402CW13 | 255              | 10      |

## Fan Regulators and Dimmers



CB91102DW10 CB91101DW04 CB91101RW01 CB91102RW02

| Rating | Module | Description                                                                                                          | Cat. Nos.   | MRP (₹) Per Unit | Std Pkg |
|--------|--------|----------------------------------------------------------------------------------------------------------------------|-------------|------------------|---------|
| 1000W  | 2      | Dimmer 1000W                                                                                                         | CB91102DW10 | 795              | 5       |
| 400W   | 1      | Dimmer 400 W                                                                                                         | CB91101DW04 | 495              | 10      |
| 80W    | 1      | Fan step regulator 4-Step                                                                                            | CB91101RW01 | 445              | 10      |
| 120W   | 2      | Fan step regulator 5-Step with  | CB91102RW02 | 615              | 5       |

### Note:

- All switches and bell pushes are  marked and confirms to IS 3854:1997
- Sockets marked with  confirms to IS 1293: 2005
- Fan regulator with  confirms to IS 11037: 1984
- Long life LEDs used for all indicator switches.
- AX rating switches are suitable to fluorescent lights also.

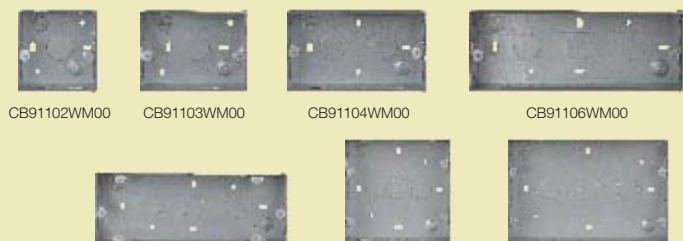
## Data Sockets



CB91101TW11 CB91201TW11 CB91101TW45 CB91101TW00 CB91201TW00 CB91301TW00 CB91401TW00 CB91501TW00  
CB91201TW45

| Module | Description                                  | Cat. Nos.   | MRP (₹) Per Unit | Std Pkg |
|--------|----------------------------------------------|-------------|------------------|---------|
| 1      | Telephone socket with shutter - RJ 11        | CB91101TW11 | 139              | 20      |
| 1      | Telephone socket with shutter - Twin RJ 11   | CB91201TW11 | 190              | 20      |
| 1      | Computer socket with shutter - RJ 45, cat 5e | CB91101TW45 | 445              | 20      |
| 1      | Computer socket with shutter - RJ 45, cat 6  | CB91201TW45 | 495              | 20      |
| 1      | TV socket with cable grip                    | CB91101TW00 | 136              | 20      |
| 1      | RCA connector                                | CB91201TW00 | 1650             | 20      |
| 1      | HDMI connector                               | CB91301TW00 | 1350             | 20      |
| 1      | USB connector                                | CB91401TW00 | 1150             | 20      |
| 1      | VGA connector                                | CB91501TW00 | 1250             | 20      |

## Mounting Boxes - GI Metal, Flush Type



CB91102WM00 CB91103WM00 CB91104WM00 CB91106WM00  
CB91108WM00 CB91208WM00 CB91112WM00

| Module | Description                      | Cat. Nos.   | MRP (₹) Per Unit | Std Pkg |
|--------|----------------------------------|-------------|------------------|---------|
| 1/2    | GI metal box-1 & 2 module        | CB91102WM00 | 73               | 60      |
| 3      | GI metal box-3 module            | CB91103WM00 | 90               | 45      |
| 4      | GI metal box-4 module            | CB91104WM00 | 99               | 30      |
| 6      | GI metal box-6 module            | CB91106WM00 | 148              | 20      |
| 8      | GI metal box-8 module horizontal | CB91108WM00 | 188              | 15      |
| 8      | GI metal box-8 module square     | CB91208WM00 | 188              | 24      |
| 12     | GI metal box-12 module           | CB91112WM00 | 285              | 16      |
| 8      | GI metal box-18 module           | CB91118WM00 | 325              | 10      |

## Accessories



CB91102AW00 CB91101AW00 CB91201AW00 CB91102LW00 CB91101AW01 CB91301AW00

| Module | Description                        | Cat. Nos.   | MRP (₹) Per Unit | Std Pkg |
|--------|------------------------------------|-------------|------------------|---------|
| 2      | Buzzer                             | CB91102AW00 | 325              | 5       |
| 1      | Cable outlet with grip             | CB91101AW00 | 110              | 20      |
| 1      | Blank off unit                     | CB91201AW00 | 29               | 20      |
| 2      | Foot light                         | CB91102LW00 | 655              | 5       |
| 1      | Modular type USB Charger - 1000 mA | CB91101AW01 | 1350             | 10      |
| 1      | Phase indicator with LED           | CB91301AW00 | 128              | 20      |

## Modular Cover Plates with Grid Frames



CB91101FW00 CB91102FW00 CB91103FW00 CB91104FW00 CB91106FW00  
CB91108FW00 CB91208FW00 CB91308FW00 CB91112FW00  
CB91116FW00 CB91118FW00

| Module | Description                                                                 | Cat. Nos.   | MRP (₹) Per Unit | Std Pkg |
|--------|-----------------------------------------------------------------------------|-------------|------------------|---------|
| 1      | 1 Module cover plate with grid frame                                        | CB91101FW00 | 91               | 15      |
| 2      | 2 Module cover plate with grid frame                                        | CB91102FW00 | 91               | 15      |
| 3      | 3 Module cover plate with grid frame                                        | CB91103FW00 | 118              | 10      |
| 4      | 4 Module cover plate with grid frame                                        | CB91104FW00 | 135              | 15      |
| 6      | 6 Module cover plate with grid frame                                        | CB91106FW00 | 185              | 5       |
| 8      | 8 Module cover plate with grid frame horizontal                             | CB91108FW00 | 215              | 5       |
| 8      | 8 Module cover plate with grid frame - square                               | CB91208FW00 | 215              | 5       |
| 8*     | 8 Module cover plate with grid frame horizontal (suitable for oris 10M Box) | CB91308FW00 | 255              | 5       |
| 12     | 12 Module cover plate with grid frame                                       | CB91112FW00 | 295              | 5       |
| 16*    | 16 Module cover plate with grid frame (suitable for entice 12M Box also)    | CB91116FW00 | 345              | 5       |
| 18     | 18 Module cover plate with grid frame                                       | CB91118FW00 | 365              | 5       |

\* Available from February 2017



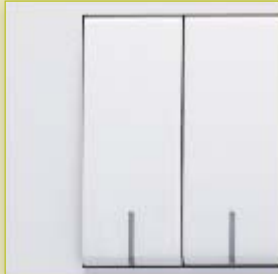


ORIS switches from L&T are a piece of signature design. Its glossy finish and rib less design that leaves only a hairline gap between the switches, makes cleaning easy. Its fire retardant and impact resistant polycarbonate material enhances durability, fire resistance & color stability.

Safety and quality is assured with safety shutters in all power and data sockets, finger touch proof IP20 terminals,  marking on all switches, Bell pushes and most of the sockets.



## The signature Design



- Ribless design - leaves only a hairline gap between switches
- Glossy finish surface enhance brightness in your life



- Stylish rounded contours - minimizes dust collection on surface, easy to clean



- Smart and long life LED used for indicator & locator switches
- Red LED used for power indication and Blue LED for locating switches in the dark

## Space and Money Saver



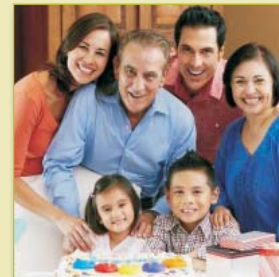
- Saves space by accommodating more modules in standard wall box of other makes
- Uses smaller wall boxes for the same number of switches hence saves money

## Safety and Quality



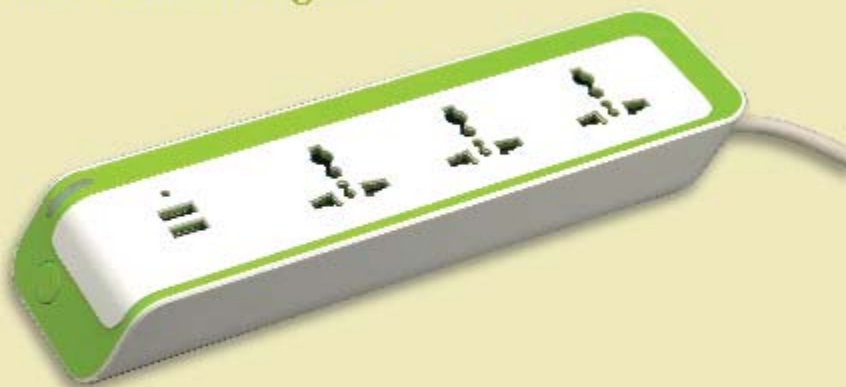
- Safety shutters in all power and data sockets
- Finger touch proof IP20 terminals
-  marking on all switches, bell push, plug top & most of the sockets

## Longer Life



- Switches pass 1.5 lakhs switching operations at full load under test conditions
- FR grade polycarbonate material for high durability and fire resistance

## Spike Guard with Twin USB Chargers



New

| Rating | Description                        | Cat. Nos. | MRP (₹) Per Unit | Std Pkg |
|--------|------------------------------------|-----------|------------------|---------|
| 6A     | Spike guard with twin USB chargers | OA05W06   | 1195             | 1       |

### Salient Features:

- USB rating - 2000mA suitable for charging Mobile phones, MP3 Players, iPod, Tablets, iPad etc.
- Resettable fuse or overload protection - No more fuse replacement required, just reset and start working
- 3 core cable with marking
- 3 Universal sockets with safety shutters
- Warranty - 2 years

## ORIS® Raaga - Electronic Door Bells

With tune selector switch



**Digital Ding-Dong**  
7 Ding Dong tunes



**Mantras**  
10 Mantra tunes



**English Melody**  
25 English tunes

New

| Description       | Cat. Nos. | MRP (₹) Per Unit | Std Pkg |
|-------------------|-----------|------------------|---------|
| Digital ding-dong | OB31W00   | 295              | 1       |
| Mantras           | OB32W00   | 325              | 1       |
| English melody    | OB33W00   | 345              | 1       |

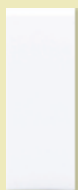
### Salient Features:

- Battery operated, works even during power failure conditions
- COB based technology for Durable performance
- Tune selector switch to play the tune of your choice
- High quality speaker and strong engineered plastic housing
- Warranty - 1 year



## Plain Switches

Switches without line



OS15W06  
OS15W10  
OS15W16  
OS15W20



OS16W06  
OS16W10  
OS16W16  
OS16W20



| Rating | Module | Description          | Cat. Nos. | MRP (₹) Per Unit | Std Pkg |
|--------|--------|----------------------|-----------|------------------|---------|
| 6AX    | 1      | 1 - Way switch plain | OS15W06   | 120              | 20      |
| 6AX    | 1      | 2 - Way switch plain | OS16W06   | 152              | 20      |
| 10AX   | 1      | 1 - Way switch plain | OS15W10   | 120              | 20      |
| 10AX   | 1      | 2 - Way switch plain | OS16W10   | 152              | 20      |
| 16AX   | 1      | 1 - Way switch plain | OS15W16   | 176              | 20      |
| 16AX   | 1      | 2 - Way switch plain | OS16W16   | 210              | 20      |
| 20A    | 1      | 1 - Way switch plain | OS15W20   | 182              | 20      |
| 20A    | 1      | 2 - Way switch plain | OS16W20   | 222              | 20      |

### Salient Features:

- Switches without line
- 1.5 lacs switching operations
- Silver coated Brass terminals
- IP20 - Finger proof terminals
- Captive screws
- Spark shield

## Switches



OS11W06  
OS11W10  
OS11W16  
OS11W20



OS12W06  
OS12W10  
OS12W16  
OS12W20



OS13W06  
OS13W10  
OS13W16  
OS13W20

| Rating | Module | Description             | Cat. Nos. | MRP (₹) Per Unit | Std Pkg |
|--------|--------|-------------------------|-----------|------------------|---------|
| 6AX    | 1      | 1 - Way switch          | OS11W06   | 125              | 20      |
| 6AX    | 1      | 2 - Way switch          | OS12W06   | 158              | 20      |
| 6AX    | 1      | 1 - Way switch with LED | OS13W06   | 158              | 20      |
| 10AX   | 1      | 1 - Way switch          | OS11W10   | 125              | 20      |
| 10AX   | 1      | 2 - Way switch          | OS12W10   | 158              | 20      |
| 10AX   | 1      | 1 - Way switch with LED | OS13W10   | 158              | 20      |
| 16AX   | 1      | 1 - Way switch          | OS11W16   | 183              | 20      |
| 16AX   | 1      | 2 - Way switch          | OS12W16   | 219              | 20      |
| 16AX   | 1      | 1 - Way switch with LED | OS13W16   | 206              | 20      |
| 20A    | 1      | 1 - Way switch          | OS11W20   | 189              | 20      |
| 20A    | 1      | 2 - Way switch          | OS12W20   | 230              | 20      |
| 20A    | 1      | 1 - Way switch with LED | OS13W20   | 216              | 20      |

## Mega Switches



OS21W10  
OS21W16  
OS21W20



OS22W10  
OS22W16  
OS22W20



OS23W10  
OS23W16  
OS23W20  
OS24W20  
OS24W32

| Rating | Module | Description              | Cat. Nos. | MRP (₹) Per Unit | Std Pkg |
|--------|--------|--------------------------|-----------|------------------|---------|
| 10AX   | 2      | 1 - Way switch           | OS21W10   | 153              | 10      |
| 10AX   | 2      | 2 - Way switch           | OS22W10   | 184              | 10      |
| 10AX   | 2      | 1 - Way switch with LED  | OS23W10   | 169              | 10      |
| 16AX   | 2      | 1 - Way switch           | OS21W16   | 199              | 10      |
| 16AX   | 2      | 2 - Way switch           | OS22W16   | 235              | 10      |
| 16AX   | 2      | 1 - Way switch with LED  | OS23W16   | 225              | 10      |
| 20A    | 2      | 1 - Way switch           | OS21W20   | 215              | 10      |
| 20A    | 2      | 2 - Way switch           | OS22W20   | 240              | 10      |
| 20A    | 2      | 1 - Way switch with LED  | OS23W20   | 230              | 10      |
| 20A    | 2      | DP 1 Way switch with LED | OS24W20   | 354              | 10      |
| 32A    | 2      | DP 1 Way switch with LED | OS24W32   | 424              | 10      |

### Note:

- All switches and bell pushes are marked and conforms to IS 3854:1997
- Long Life LED used in all Indicator & Locator Switches
- 1 Module size = 17.5 mm
- AX rated switches are suitable for fluorescent lights

## Power Sockets



OC11W06



OC31W06



OC32W06



OC31W16  
OC31W25



OC32W66



OC32W13

| Rating   | Module | Description                        | Cat. Nos. | MRP<br>(₹)<br>Per Unit | Std<br>Pkg |
|----------|--------|------------------------------------|-----------|------------------------|------------|
| 6A       | 1      | 2-Pin euro socket, Shuttered       | OC11W06   | 138                    | 20         |
| 6A       | 3      | Uni socket, Shuttered              | OC31W06   | 159                    | 10         |
| 6A       | 3      | 2-Pin / 3-pin socket, Shuttered    | OC32W06   | 176                    | 10         |
| 16A      | 3      | 3-Pin power socket, Shuttered      | OC31W16   | 261                    | 10         |
| 6/16A    | 3      | Twin 3-pin power socket, Shuttered | OC32W66   | 268                    | 10         |
| 6/10/13A | 3      | Universal pin socket, Shuttered    | OC32W13   | 249                    | 10         |
| 25A      | 3      | 3-pin power socket, Shuttered      | OC31W25   | 277                    | 10         |

## Data Sockets



OT11W11



OT12W11



OT11W45



OT11W00

| Module | Description             | Cat. Nos. | MRP<br>(₹)<br>Per Unit | Std<br>Pkg |
|--------|-------------------------|-----------|------------------------|------------|
| 1      | RJ 11 Shuttered         | OT11W11   | 149                    | 20         |
| 1      | Twin RJ 11 Shuttered    | OT12W11   | 184                    | 20         |
| 1      | RJ 45, cat 6, Shuttered | OT11W45   | 473                    | 20         |
| 1      | TV socket               | OT11W00   | 134                    | 20         |

## Bell Push & Night Locator Switch



OB11W06



OB23W10



OS14W06  
OS14W10



OS15W06

| Rating | Module | Description                  | Cat. Nos. | MRP<br>(₹)<br>Per Unit | Std<br>Pkg |
|--------|--------|------------------------------|-----------|------------------------|------------|
| 6AX    | 1      | Bell push                    | OB11W06   | 158                    | 20         |
| 6AX    | 1      | Bell push with LED           | OB13W06   | 177                    | 20         |
| 10AX   | 2      | Bell push with LED           | OB23W10   | 216                    | 10         |
| 6AX    | 1      | 1 - Way switch with blue LED | OS14W06   | 172                    | 20         |
| 10AX   | 1      | 1 - Way switch with blue LED | OS14W10   | 172                    | 20         |
| 6AX    | 1      | Bell push plain              | OB15W06   | 152                    | 20         |

## Motor Starters



OS31W20  
OS31W25



OS32W20  
OS32W25



OS61W25

| Rating | Module | Description                                | Cat. Nos. | MRP<br>(₹)<br>Per Unit | Std<br>Pkg |
|--------|--------|--------------------------------------------|-----------|------------------------|------------|
| 20A    | 3      | Modular AC/motor starter, Single phase     | OS31W20   | 795                    | 5          |
| 25A    | 3      | Modular AC/motor starter, Single phase     | OS31W25   | 811                    | 5          |
| 20A    |        | Non-modular AC/motor starter, Single phase | OS32W20   | 795                    | 5          |
| 25A    |        | Non-modular AC/motor starter, Single phase | OS32W25   | 811                    | 5          |
| 25A    | 6      | Safety AC power unit ★                     | OS61W25   | 1343                   | 1          |

Note:

- All power and data sockets are with safety shutters
- All marked sockets conforms to IS 1293:2005
- Long Life LED used in all Indicator & Locator Switches
- Motor Starter conforms to IEC -947-4-1 & IS:13947-4-Sec.1
- ★ Supplied pre-wired with cover and grid plates

## Face & Grid Plates

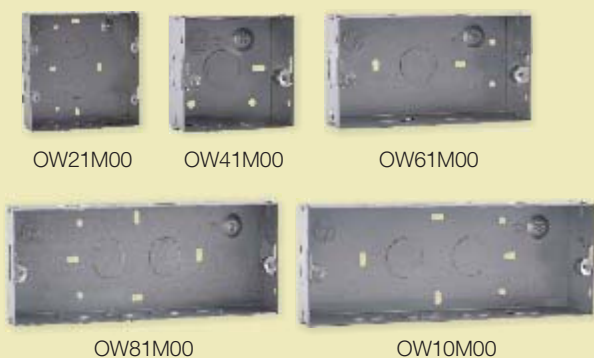


| Module | Description                   | Cat. Nos. | MRP (₹) Per Unit | Std Pkg |
|--------|-------------------------------|-----------|------------------|---------|
| 1      | 1 Module grid frame + Cover   | OF11W00   | 105              | 10      |
| 2      | 2 Module grid frame + Cover   | OF21W00   | 105              | 10      |
| 3      | 3 Module universal GF + Cover | OF31W00   | 129              | 10      |
| 3      | 3 Module mini GF + Cover      | OF32W00   | 118              | 10      |
| 4      | 4 Module grid frame + Cover   | OF41W00   | 134              | 10      |
| 6      | 6 Module grid frame + Cover   | OF61W00   | 177              | 10      |

New

| Module | Description                                                    | Cat. Nos. | MRP (₹) Per Unit | Std Pkg |
|--------|----------------------------------------------------------------|-----------|------------------|---------|
| 8      | 8 Module grid frame + Cover                                    | OF81W00   | 210              | 10      |
| 10     | 10 Module grid frame + Cover                                   | OF10W02   | 249              | 5       |
| 10     | 10 Module, 433 grid frame + Cover                              | OF10W03   | 249              | 5       |
| 10     | 10 Module, 433 grid frame + Cover (Suitable for entice 8M Box) | OF10W04   | 254              | 5       |
| 12     | 12 Module grid frame + Cover                                   | OF12W00   | 298              | 5       |
| 16     | 16 Module grid frame + Cover                                   | OF16W00   | 327              | 5       |
| 24     | 24 Module grid frame + Cover                                   | OF24W00   | 431              | 5       |

## Recess Metal Wall Box (GI)



| Module | Description                | Cat. Nos. | MRP (₹) Per Unit | Std Pkg |
|--------|----------------------------|-----------|------------------|---------|
| 1 & 2  | Metal box 1 & 2 module     | OW21M00   | 82               | 64      |
| 3 & 4  | Metal box 3 & 4 module     | OW41M00   | 101              | 48      |
| 6      | Metal box 6 module         | OW61M00   | 121              | 48      |
| 8      | Metal box 8 module linear  | OW81M00   | 173              | 32      |
| 10     | Metal box 10 module linear | OW10M00   | 217              | 32      |
| 12     | Metal box 12 module        | OW12M00   | 271              | 24      |
| 16     | Metal box 16 module        | OW16M00   | 287              | 16      |
| 24     | Metal box 24 module        | OW24M00   | 398              | 12      |

## Surface Box (Plastic)



| Module | Description            | Cat. Nos. | MRP (₹) Per Unit | Std Pkg |
|--------|------------------------|-----------|------------------|---------|
| 1 & 2  | 1/2 Module surface box | OW21W00   | 95               | 48      |
| 3 & 4  | 3/4 Module surface box | OW41W00   | 112              | 40      |
| 6      | 6 Module surface box   | OW61W00   | 134              | 48      |
| 8      | 8 Module surface box   | OW81W00   | 139              | 30      |
| 10     | 10 Module surface box  | OW10W00   | 168              | 30      |
| 12     | 12 Module surface box  | OW12W00   | 184              | 20      |
| 16     | 16 Module surface box  | OW16W00   | 268              | 16      |

Note: Also suitable for entice range of plates.



## Dimmer & Fan Regulator



OD21W04



OR22W01

| Rating | Module | Description                         | Cat. Nos. | MRP (₹) Per Unit | Std Pkg |
|--------|--------|-------------------------------------|-----------|------------------|---------|
| 400W   | 2      | Lamp dimmer                         | OD21W04   | 536              | 10      |
| 650W   | 3      | Lamp dimmer                         | OD31W06   | 639              | 10      |
| 1000W  | 3      | Lamp dimmer                         | OD31W10   | 873              | 10      |
| 120W   | 2      | 5 Step fan regulator, 360° rotation | OR22W01   | 633              | 10      |

## Accessories



OA11W00



OA21W00



OA10W00



OL61W06

| Module | Description            | Cat. Nos. | MRP (₹) Per Unit | Std Pkg |
|--------|------------------------|-----------|------------------|---------|
| 1      | LED indicator light    | OA11W00   | 128              | 20      |
| 2      | Buzzer                 | OA21W00   | 295              | 10      |
| 1      | Blank off unit         | OA10W00   | 26               | 20      |
| 6      | LED footlight - 1 watt | OL61W06   | 657              | 5       |
| 1      | 1 Module jacket        | OA12W00   | 11               | 50      |
| 2      | 2 Module jacket        | OA22W00   | 12               | 50      |
| 1      | Cable outlet           | OA13W00   | 112              | 20      |

New

## Work Station Solution - Safety Power Strip



OS13W13

| Rating | Module | Description                                  | Cat. Nos. | MRP (₹) Per Unit | Std Pkg |
|--------|--------|----------------------------------------------|-----------|------------------|---------|
| 13A    | 10     | Safety power strip with 1 switch 3 sockets ★ | OS13W13   | 1465             | 5       |

### Salient Features:

- 13A universal sockets
- Inbuilt overload & spike protection
- Pre-wired assembly
- Max spike current - 6500A

# HOSPITALITY RANGE



OH11W00



OH21W00



OH41W20



OH42W20  
OH42W32



OH61W00



OH31W00

| Module | Description                                | Cat. Nos. | MRP (₹) Per Unit | Std Pkg |
|--------|--------------------------------------------|-----------|------------------|---------|
| 1      | DND + MMR indicator with LED               | OH11W00   | 335              | 20      |
| 2      | DND + MMR selector switch                  | OH21W00   | 476              | 10      |
| 4      | Electronic key tag with built-in relay 20A | OH41W20   | 3432             | 5       |
| 3      | Volume controller                          | OH31W00   | 484              | 10      |

| Module | Description                      | Cat. Nos. | MRP (₹) Per Unit | Std Pkg |
|--------|----------------------------------|-----------|------------------|---------|
| 4      | Mechanical key tag 20A**         | OH42W20   | 482              | 4       |
| 4      | Mechanical key tag 32A**         | OH42W32   | 612              | 4       |
| -      | Key holder of mechanical key tag | OH40W00   | 86               | 20      |
| 6      | Shaver socket**                  | OH61W00   | 3073             | 1       |

Note:

- Power consumption by foot light is only 1 watt

\*\* Supplied with face and grid plate.

## Ceiling Rose & Lamp Holder



| Description          | Cat. Nos. | MRP (₹) Per Unit | Std Pkg |
|----------------------|-----------|------------------|---------|
| Jumbo ceiling rose   | OA20W00   | 44               | 20      |
| Lamp holder          | OA03W01   | 72               | 60      |
| Lamp holder- Angular | OA03W02   | 42               | 30      |
| Lamp holder- Batten  | OA03W03   | 40               | 40      |

Lamp Holder (OA03W01)



### Salient Features:

- One cat. no. for two products - Batten Holder and Angle Holder
- Think less, stock more - easy for dealer and electrician
- Fire Retardant material - tested for double the rating of current

## Spike Guard



OA04W13

| Rating | Description                       | Cat. Nos. | MRP (₹) Per Unit | Std Pkg |
|--------|-----------------------------------|-----------|------------------|---------|
| 10A    | Spike guard                       | OA04W13   | 699              | 10      |
| 10A    | Spike Guard With Twin Usb Charger | OA05W06   | 1195             | 10      |

### Salient Features:

- Resettable fuse for overload protection - No more fuse replacement required, just reset and start working
- Safety shutters on sockets
- Extra long cable length of 2 meter made of moulded 3 core 0.75 mm wire with ISI marking
- Warranty - 2 years

## Plug Tops



| Rating | Description                         | Cat. Nos. | MRP (₹) Per Unit | Std Pkg |
|--------|-------------------------------------|-----------|------------------|---------|
| 6A     | Plug top - 2 pin ISI                | OP02W06   | 37               | 20      |
| 6A     | Plug top - 3 pin ISI                | OP01W06   | 64               | 40      |
| 6A     | Plug top with indicator - 3 pin ISI | OP03W06   | 78               | 40      |
| 16A    | Plug top - 3 pin ISI                | OP01W16   | 98               | 30      |
| 16A    | Plug top with indicator - 3 pin ISI | OP03W16   | 109              | 30      |
| 25A    | Plug top - 3 pin                    | OP01W25   | 103              | 30      |

### Salient Features:

- FR grade polycarbonate material for durability & safety (Tested)
- Firm grip design - No slip while removal
- Solid brass terminals for better conductivity & long life
- LED status indicator (optional)

Note:

- All ISI marked Plug Tops conforms to IS 1293:2005

# MOULDED CASE CIRCUIT BREAKERS

## Moulded Case Circuit Breakers - DU100/DU125U MCCB

### Features

- Range: 32A, 63A, 100A, 125A 3 pole
- Short-circuit-breaking capacity: 10kA
- Higher mechanical life
- Finger-proof terminals for safety
- Push to trip button for testing
- SS enclosure available

| Description          | Cat. Nos.     | MRP (₹) Per Unit |
|----------------------|---------------|------------------|
| 32A, 3P DU100 MCCB   | CM977540000   | 1680             |
| 63A, 3P DU100 MCCB   | CM977570000   | 1680             |
| 100A, 3P DU100 MCCB  | CM989220000 ▲ | 1840             |
| 125A, 3P DU125U MCCB | CM9032300LY ▲ | 2680             |
| SS enclosure         | ST980500000   | 800              |
| Direct handle        | SL970440000   | 765              |

▲ Spreader terminals are included.

Note: Phase barriers are included in above MCCB prices.

Standard pack quantity for MCCBs : 5 Nos., SS Enclosure / Direct Handle : 1 No.





# KEY FEATURES

## Trippler® Modular Devices



### The Assurance of Absolute Safety.

Specially designed and developed for residential and commercial installations.



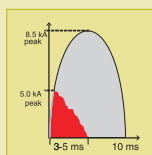
#### Absolute safety tripper modular devices spell world class

Tripper products conform to relevant global standards viz., IEC, EN and IS. They also have CE / ISI marking and KEMA certification.



#### Safety redefined

Finger proof terminals eliminate chances of accidental contact with live parts. You can install, operate and maintain tripper with total confidence.



#### Energy limiting class - 3

If fault occurs, the Rapid Arc Quenching mechanism in tripper operates and extinguishes the arc quickly (within 3-5 msec), ensuring lowest possible energy flow through the circuit. This minimizes risk of fire and maximizes life of your equipment.



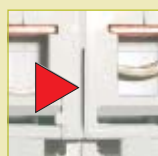
#### Safety meets superior aesthetics

Ergonomically designed, profiled for superior cooling and manufactured with fire retardant material. Tripper offers user safety combined with elegance.



#### True contact indication

Tripper range enhances safety through true contact indication even from a distance regardless of its knob position. Red and Green indication flag provided below the knob positively identify the electrical ON / OFF status.



#### Innovatively profiled breathing channels

When two or more poles are placed adjacent to each other, the breathing channels are so profiled that the air circulates around individual pole, resulting in cooler operation, tripper range operates coolest year after year.



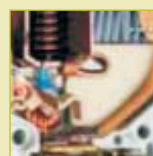
#### Large terminal size and dual termination

Tripper can easily accommodate cables of up to 35 sq. mm. The terminals are designed to facilitate termination of cable or bus bar or both at incomer side. Tripper terminals offer simple termination flexibly.



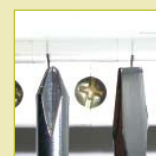
#### Two position DIN rail clip

Installation on a DIN rail is further simplified with a two-position DIN rail clip as a standard feature. Tripper range makes mounting on a standard DIN rail more convenient than others.



#### Non-welding contacts

Silver Graphite contact tips ensure higher life and maximum safety against contact welding due to its superior anti-welding properties, enhancing safety and life of the system.



#### Combihead screw

Tripper range of products provided with combihead screws, allow you to use standard as well as Philips screwdrivers, tripper range addresses all your unidentified needs.



# MINIATURE CIRCUIT BREAKERS



## Miniature Circuit Breakers (MCBs) - B Curve

### Highlights

- UL marked, CE marked
- Conforms to IS/IEC 60898
- Higher life because of heavy duty contacts
- Cooler operation due to breathing space between two poles
- Energy saving - Low watt loss - 50% as compared to standards
- Manufactured by using high quality fire retardant material
- True contact indication for enhanced safety



Single Pole



Double Pole

| Rating      | Single Pole |                  | Double Pole |                  |
|-------------|-------------|------------------|-------------|------------------|
|             | Cat. Nos.   | MRP (₹) Per Unit | Cat. Nos.   | MRP (₹) Per Unit |
| 6A B-Curve  | BA10060B    | 163              | BA20060B    | 550              |
| 10A B-Curve | BA10100B    | 163              | BA20100B    | 550              |
| 16A B-Curve | BA10160B    | 163              | BA20160B    | 550              |
| 20A B-Curve | BA10200B    | 163              | BA20200B    | 550              |
| 25A B-Curve | BA10250B    | 163              | BA20250B    | 550              |
| 32A B-Curve | BA10320B    | 163              | BA20320B    | 550              |
| 40A B-Curve | BA10400B    | 330              | BA20400B    | 795              |

## Miniature Circuit Breakers (MCBs) - C Curve



Single Pole



Double Pole



Three Pole



Four Pole

| Rating      | Single Pole |                  | Double Pole |                  | Three Pole |                  | Four Pole |                  |
|-------------|-------------|------------------|-------------|------------------|------------|------------------|-----------|------------------|
|             | Cat. Nos.   | MRP (₹) Per Unit | Cat. Nos.   | MRP (₹) Per Unit | Cat. Nos.  | MRP (₹) Per Unit | Cat. Nos. | MRP (₹) Per Unit |
| 6A C-Curve  | BA10060C    | 165              | BA20060C    | 575              | BA30060C   | 910              | BA40060C  | 1230             |
| 10A C-Curve | BA10100C    | 165              | BA20100C    | 575              | BA30100C   | 910              | BA40100C  | 1230             |
| 16A C-Curve | BA10160C    | 165              | BA20160C    | 575              | BA30160C   | 910              | BA40160C  | 1230             |
| 20A C-Curve | BA10200C    | 165              | BA20200C    | 575              | BA30200C   | 910              | BA40200C  | 1230             |
| 25A C-Curve | BA10250C    | 165              | BA20250C    | 575              | BA30250C   | 910              | BA40250C  | 1230             |
| 32A C-Curve | BA10320C    | 165              | BA20320C    | 575              | BA30320C   | 910              | BA40320C  | 1230             |
| 40A C-Curve | BA10400C    | 345              | BA20400C    | 800              | BA30400C   | 1265             | BA40400C  | 1620             |
| 63A C-Curve | BA10630C    | 435              | BA20630C    | 960              | BA30630C   | 1420             | BA40630C  | 1810             |

Note: ★ Standard Pack Quantity for MCB : SP - 12 Nos., DP - 6 Nos., TP - 4 Nos., FP - 3 Nos.

# ISOLATORS



## Highlights

- CE marked
- Conforms to IEC 60947-3
- Higher life because of heavy duty contacts
- Cooler operation due to breathing space between two poles
- Energy saving - Low watt loss - 50% as compared to standards
- Manufactured by using high quality fire retardant material
- True contact indication for enhanced safety



Two Pole



Three Pole



Four Pole

| Rating        | DP        |                  | TP        |                  | FP        |                  |
|---------------|-----------|------------------|-----------|------------------|-----------|------------------|
|               | Cat. Nos. | MRP (₹) Per Unit | Cat. Nos. | MRP (₹) Per Unit | Cat. Nos. | MRP (₹) Per Unit |
| 40A Isolator  | BE204000  | 350              | BE304000  | 625              | BE404000  | 800              |
| 63A Isolator  | BE206300  | 435              | BE306300  | 695              | BE406300  | 815              |
| 80A Isolator  | BE208000  | 580              | BE308000  | 830              | BE408000  | 970              |
| 100A Isolator | BE210000  | 595              | BE310000  | 840              | BE410000  | 985              |

★ Standard Pack Quantity for Isolator : DP - 6 Nos., TP - 4 Nos., FP - 3 Nos.

# RESIDUAL CURRENT CIRCUIT BREAKERS / EARTH LEAKAGE CIRCUIT BREAKERS



## RCCBs / ELCBs

### Highlights

- Conforms to IS 12640-1
- Dual Termination
- Available in SPN & TPN with 30mA, 100mA & 300mA sensitivity
- Operates on Core Balance Current Transformer
- Finger proof terminal



Two Pole



Four Pole

| Double Pole      |           |                  |
|------------------|-----------|------------------|
| Description      | Cat. Nos. | MRP (₹) Per Unit |
| 2 Pole 25A 30mA  | BC202503  | 2060             |
| 2 Pole 25A 100mA | BC202510  | 2105             |
| 2 Pole 25A 300mA | BC202530  | 2105             |
| 2 Pole 40A 30mA  | BC204003  | 2270             |
| 2 Pole 40A 100mA | BC204010  | 2285             |
| 2 Pole 40A 300mA | BC204030  | 2285             |
| 2 Pole 63A 30mA  | BC206303  | 2875             |
| 2 Pole 63A 100mA | BC206310  | 2900             |
| 2 Pole 63A 300mA | BC206330  | 2900             |

| Four Pole        |           |                  |
|------------------|-----------|------------------|
| Description      | Cat. Nos. | MRP (₹) Per Unit |
| 4 Pole 25A 30mA  | BC402503  | 2640             |
| 4 Pole 25A 100mA | BC402510  | 2675             |
| 4 Pole 25A 300mA | BC402530  | 2675             |
| 4 Pole 40A 30mA  | BC404003  | 2685             |
| 4 Pole 40A 100mA | BC404010  | 2720             |
| 4 Pole 40A 300mA | BC404030  | 2720             |
| 4 Pole 63A 30mA  | BC406303  | 3055             |
| 4 Pole 63A 100mA | BC406310  | 3100             |
| 4 Pole 63A 300mA | BC406330  | 3100             |

★ Standard Pack Quantity for RCCBs - 1 No.

# EARTH LEAKAGE + MINIATURE CIRCUIT BREAKERS



## EL+MCBs (RCBO) - 2 Pole

### Highlights

- Combination of ELCB & MCB (EL+MCB) offers 3 in 1 protection against - overload, short circuit and earth leakage
- Saves human life from electric shock and protects buildings from fire
- Quality assured by test certificate provided with each EL+MCB
- Easy fault identification - both knobs come down for earth leakage tripping and only MCB knob comes down for overload tripping



Two Pole

| Description     | Cat. Nos.<br>(30mA) | MRP (₹) Per Unit<br>(30mA) | Cat. Nos.<br>(100mA) | Cat. Nos.<br>(300mA) | MRP (₹) Per Unit<br>(100mA/300mA) |
|-----------------|---------------------|----------------------------|----------------------|----------------------|-----------------------------------|
| 6A 2P ELCB+MCB  | CB90001OOTO         | 2745                       | CB90003OOTO          | CB90005OOTO          | 2850                              |
| 10A 2P ELCB+MCB | CB90001OOVO         | 2745                       | CB90003OOVO          | CB90005OOVO          | 2850                              |
| 16A 2P ELCB+MCB | CB90001OOBO         | 2745                       | CB90003OOBO          | CB90005OOBO          | 2850                              |
| 20A 2P ELCB+MCB | CB90001OOCO         | 2745                       | CB90003OOCO          | CB90005OOCO          | 2850                              |
| 25A 2P ELCB+MCB | CB90001OODO         | 2745                       | CB90003OODO          | CB90005OODO          | 2850                              |
| 32A 2P ELCB+MCB | CB90001OOEO         | 3090                       | CB90003OOEO          | CB90005OOEO          | 3030                              |
| 40A 2P ELCB+MCB | CB90001OOFO         | 3090                       | CB90003OOFO          | CB90005OOFO          | 3030                              |
| 63A 2P ELCB+MCB | CB90001OOHO         | 3785                       | CB90003OOHO          | CB90005OOHO          | 3620                              |

## EL+MCBs (RCBO) - 4 Pole



Four Pole

| Description     | Cat. Nos.<br>(30mA) | MRP (₹) Per Unit<br>(30mA) | Cat. Nos.<br>(100mA) | Cat. Nos.<br>(300mA) | MRP (₹) Per Unit<br>(100mA/300mA) |
|-----------------|---------------------|----------------------------|----------------------|----------------------|-----------------------------------|
| 6A 4P ELCB+MCB  | CB90002OOTO         | 3455                       | CB90004OOTO          | CB90006OOTO          | 3265                              |
| 10A 4P ELCB+MCB | CB90002OOVO         | 3455                       | CB90004OOVO          | CB90006OOVO          | 3265                              |
| 16A 4P ELCB+MCB | CB90002OOBO         | 3455                       | CB90004OOBO          | CB90006OOBO          | 3265                              |
| 20A 4P ELCB+MCB | CB90002OOCO         | 3455                       | CB90004OOCO          | CB90006OOCO          | 3265                              |
| 25A 4P ELCB+MCB | CB90002OODO         | 3455                       | CB90004OODO          | CB90006OODO          | 3265                              |
| 32A 4P ELCB+MCB | CB90002OOEO         | 3605                       | CB90004OOEO          | CB90006OOEO          | 3455                              |
| 40A 4P ELCB+MCB | CB90002OOFO         | 3605                       | CB90004OOFO          | CB90006OOFO          | 3455                              |
| 63A 4P ELCB+MCB | CB90002OOHO         | 4365                       | CB90004OOHO          | CB90006OOHO          | 3990                              |

★ Standard Pack Quantity for EL+MCBs - 1 No.



# TRIPBOX DISTRIBUTION BOARDS

## Highlights

- Ready to use DB complete with copper wire set, 100A copper bus bar, neutral bar, earth bar and DIN channel
- Superior quality powder coating for better looks and longer life
- Best design for convenient wiring
- Flexible design - With site shiftable neutral bar, removal front plate for easy wiring
- DB is suitable for surface or flush mounting with IP30 and IP43 degree of protection

## Single Phase Neutral (SPN) DBs



Single Door



Double Door

| Description    | Cat. Nos. | MRP (₹) Per Unit (Single Door) | Cat. Nos. | MRP (₹) Per Unit (Double Door) |
|----------------|-----------|--------------------------------|-----------|--------------------------------|
| 4 MOD SPN DBs  | BH104SDB  | 620                            | BH104DDB  | 1005                           |
| 6 MOD SPN DBs  | BH106SDB  | 680                            | BH106DDB  | 1125                           |
| 8 MOD SPN DBs  | BH108SDB  | 770                            | BH108DDB  | 1250                           |
| 12 MOD SPN DBs | BH112SDB  | 1050                           | BH112DDB  | 1550                           |
| 16 MOD SPN DBs | BH116SDB  | 1290                           | BH116DDB  | 1875                           |

## Three Phase Neutral (TPN) DBs



Single Door



Double Door

| Description        | Cat. Nos. | MRP (₹) Per Unit (Single Door) | Cat. Nos. | MRP (₹) Per Unit (Double Door) |
|--------------------|-----------|--------------------------------|-----------|--------------------------------|
| 8+4+4+4 TPN DBs    | BH304SDB  | 1950                           | BH304DDB  | 2560                           |
| 8+6+6+6 TPN DBs    | BH306SDB  | 2405                           | BH306DDB  | 3095                           |
| 8+8+8+8 TPN DBs    | BH308SDB  | 2785                           | BH308DDB  | 3755                           |
| 8+12+12+12 TPN DBs | BH312SDB  | 3855                           | BH312DDB  | 5200                           |

## Phase Selector DBs

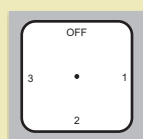


Phase Selector DBs

| Description | Cat. Nos. | MRP (₹) Per Unit (Double Door) |
|-------------|-----------|--------------------------------|
| 8+4+4+4     | BHC04DDB  | 8120                           |
| 8+6+6+6     | BHC06DDB  | 8655                           |

TPN Phase Selector Double Door DBs with 6 MOD incomer provided with Salzer make 40A Selector Switches

## Phase Selector Switch



| Description                     | Cat. Nos.      | MRP (₹) Per Unit |
|---------------------------------|----------------|------------------|
| 25 Amps, 1 Pole, 3 way with OFF | 74000PEB03TDYR | 362              |
| 32 Amps, 1 Pole, 3 way with OFF | 74000PFB03TDYR | 452              |
| 40 Amps, 1 Pole, 3 way with OFF | 74000PGB03TDYR | 658              |
| 63 Amps, 1 Pole, 3 way with OFF | 74000PIB03TDYR | 743              |

\* Available in selected states only

## Enclosures, Plug and Sockets and VTPN DBs



Enclosure



Plug and Socket



VTPN DBs

| Description                           | Cat. Nos. | MRP (₹) Per Unit (Double Door) |
|---------------------------------------|-----------|--------------------------------|
| Tripper 2 way enclosure               | BHE02DB   | 300                            |
| Tripper 3 way enclosure               | BHE03DB   | 340                            |
| Tripper 4 way enclosure               | BHE04DB   | 340                            |
| Tripper 6 way enclosure               | BHE06DB   | 505                            |
| Tripper 10A 2 pin + SC# 1 module P&S  | BHP120DB  | 840                            |
| Tripper 20A 2 pin + SC# 2 module P&S  | BHP220DB  | 940                            |
| Tripper 32A 3 pin + SC# 3 module P&S  | BHP332DB  | 2225                           |
| Tripper 4 way VTPN DBs - modular I/C  | BHV304DDB | 6550                           |
| Tripper 6 way VTPN DBs - modular I/C  | BHV306DDB | 7600                           |
| Tripper 8 way VTPN DBs - modular I/C  | BHV308DDB | 8350                           |
| Tripper 12 way VTPN DBs - modular I/C | BHV312DDB | 10900                          |

\* Standard Pack Quantity for DBs - 1 No.

# SC - Scraping Earth

Tripbox Enclosures, Plug and Sockets and VTPN DBs will be available till stock lasts

# TRIPBOX PLUS

New

## Value + Style

The TRIPBOX PLUS range of Distribution Boards offer the perfect blend of aesthetics and value. Crafted for modern homes, its features ensure ease of installation, enhanced safety, and protection from accidental damage, with a dash of style.



### Safety with Style

Options for flush and surface mounting

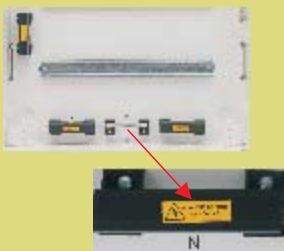
Pleasing powder-coated, matte finish - RAL9003

Insulated Busbar



As per IS 8623 Standards

Shrouded neutral bars to avoid accidental contact with live parts



### Ease of Installation

Reversible door for double door Distribution Boards to adapt to site conditions



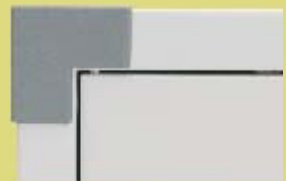
More space for ease of wiring



### Protection from Damage

CRCA sheet steel for extra durability

Plastic corners for corner protection



Cement spill protector - To protect DB interior from cement splashes during civil work



## SPN Distribution Boards

- As per IS 8623
- Available in 4, 6, 8, 12 & 16 way
- Ready to use DB complete with colour-coded wire set, 100A insulated bus bar, Neutral bar/s with shroud/s, Earth bar/s, Cement Spill protector, cable ties, blanking plates and circuit identification label
- Choice of metal or glazed door
- With provision for DP MCB/Isolator/ RCCB/RCBO as incomer and SP MCBs as outgoing



| Description   | Modules |          | IP43 Double Door | MRP (₹) Per Unit | IP43 Glazed Door | MRP (₹) Per Unit |
|---------------|---------|----------|------------------|------------------|------------------|------------------|
|               | Incomer | Outgoing |                  |                  |                  |                  |
| 4 way (2+2)   | 2       | 2        | PH104DDB         | 1060             | PH104DDG         | 1315             |
| 6 way (2+4)   | 2       | 4        | PH106DDB         | 1220             | PH106DDG         | 1415             |
| 8 way (2+6)   | 2       | 6        | PH108DDB         | 1330             | PH108DDG         | 1550             |
| 12 way (2+10) | 2       | 10       | PH112DDB         | 1595             | PH112DDG         | 1875             |
| 16 way (2+14) | 2       | 14       | PH116DDB         | 1980             | PH116DDG         | 2315             |

## TPN Distribution Boards

- As per IS 8623
- Available in 4, 6, 8, 12 way
- Ready to use DB complete with colour-coded wire set, 100A insulated bus bar, Neutral bar/s with shroud/s, Earth bar/s, Cement Spill protector, cable ties, blanking plates and circuit identification label
- Choice of metal or glazed door
- With provision for FP MCB/Isolator/ RCCB/RCBO as incomer and SP MCBs as outgoing



| Description | Modules |          | IP43 Double Door | MRP (₹) Per Unit | IP43 Glazed Door | MRP (₹) Per Unit |
|-------------|---------|----------|------------------|------------------|------------------|------------------|
|             | Incomer | Outgoing |                  |                  |                  |                  |
| 4 way       | 8       | 4+4+4    | PH304DDB         | 2620             | PH304DDG         | 3300             |
| 6 way       | 8       | 6+6+6    | PH306DDB         | 3255             | PH306DDG         | 4085             |
| 8 way       | 8       | 8+8+8    | PH308DDB         | 3895             | PH308DDG         | 4895             |
| 12 way      | 8       | 12+12+12 | PH312DDB         | 5705             | PH312DDG         | 7530             |

## Horizontal PPI (Per Phase Isolation) DBs

- As per IS 8623
- Available in 4, 6, 8, 12 way
- Ready to use DBs complete with colour-coded wire set, 100A insulated bus bar, Neutral bar/s with shroud/s, Earth bar/s, Cement Spill protector, cable ties, blanking plates and circuit identification label
- With provision for FP MCB/Isolator/ RCCB/RCBO as incomer, DP RCCB/RCBO as sub-incomer and SP MCBs as outgoing



| Description | Modules |             |          | IP43 Double Door | MRP (₹) Per Unit |
|-------------|---------|-------------|----------|------------------|------------------|
|             | Incomer | Sub-Incomer | Outgoing |                  |                  |
| 4 way       | 8       | 2+2+2       | 4+4+4    | PHP304DDB        | 4015             |
| 6 way       | 8       | 2+2+2       | 6+6+6    | PHP306DDB        | 4815             |
| 8 way       | 8       | 2+2+2       | 8+8+8    | PHP308DDB        | 5695             |
| 12 way      | 8       | 2+2+2       | 12+12+12 | PHP312DDB        | 7765             |

## Phase Segregated DBs

- As per IS 8623
- Available in 4, 6, 8, 12 way
- Ready to use DBs complete with colour-coded wire set, 100A insulated bus bar, Neutral bar/s with shroud/s, Earth bar/s, Cement Spill protector, cable ties, blanking plates and circuit identification label
- With provision for FP MCB/Isolator as incomer in Modular Incomer, DP RCCB/RCBO as sub-incomer and SP MCBs as outgoing



| Description | Modules |             |          | IP43 Double Door | MRP (₹) Per Unit |
|-------------|---------|-------------|----------|------------------|------------------|
|             | Incomer | Sub-Incomer | Outgoing |                  |                  |
| 4 way       | 8       | 4+4+4       | 4+4+4    | PHS304DDB        | 6455             |
| 6 way       | 8       | 4+4+4       | 6+6+6    | PHS306DDB        | 7290             |
| 8 way       | 8       | 4+4+4       | 8+8+8    | PHS308DDB        | 8135             |
| 12 way      | 8       | 4+4+4       | 12+12+12 | PHS312DDB        | 10420            |



### Phase selector DBs

- As per IS 8623
- Available in 4, 6, 8, 12 way
- Ready to use DBs - Provided with 63A Salzer rotary switches/colour-coded wire set, 100A insulated bus bar, Neutral bar/s with shroud/s, Earth bar/s, Cement Spill protector, cable ties, blanking plates and circuit identification label
- With provision for FP MCB/Isolator/ RCCB/RCBO as incomer and SP MCBs as outgoing



| Description | Modules |          | IP43 Double Door | MRP (₹) Per Unit |
|-------------|---------|----------|------------------|------------------|
|             | Incomer | Outgoing |                  |                  |
| 4 way       | 8       | 4+4+4    | PHC04DDB         | 9400             |
| 6 way       | 8       | 6+6+6    | PHC06DDB         | 9620             |
| 8 way       | 8       | 8+8+8    | PHC08DDB         | 10200            |
| 12 way      | 8       | 12+12+12 | PHC12DDB         | 11455            |

### VTPN DBs with Modular Incomer

- As per IS 8623
- Available in 4, 6, 8 & 12 way
- Ready to use DBs complete with colour-coded wire set, 100A insulated bus bar, Neutral bar/s with shroud/s, Earth bar/s, Cement Spill protector, cable ties, blanking plates and circuit identification label
- With provision for FP MCB/Isolator/ RCCB/RCBO as incomer and SP MCBs as outgoing



| Description | Modules |          | IP43 Double Door | MRP (₹) Per Unit |
|-------------|---------|----------|------------------|------------------|
|             | Incomer | Outgoing |                  |                  |
| 4 way       | 8       | 4+4+4    | PHV304DDB        | 6550             |
| 6 way       | 8       | 6+6+6    | PHV306DDB        | 7845             |
| 8 way       | 8       | 8+8+8    | PHV308DDB        | 8725             |
| 12 way      | 8       | 12+12+12 | PHV312DDB        | 11555            |

## VTPN DBs with MCCB Incomer

- As per IS 8623
- Available in 4, 6, 8, 12 way
- Ready to use DBs complete with colour-coded wire set, 100A insulated bus bar, Neutral bar/s with shroud/s, Earth bar/s, Cement Spill protector, cable ties, blanking plates and circuit identification label
- With provision for MCCB as incomer and SP/TP MCBs as outgoings
- \* Suitable for 3 Pole MCCB as incomer upto 125A-DU100 & DU125U



| Description | Modules |          | IP43 Double Door | MRP (₹) Per Unit |
|-------------|---------|----------|------------------|------------------|
|             | Incomer | Outgoing |                  |                  |
| 4 way       | MCCB    | 4+4+4    | PHV304DDM        | 7520             |
| 6 way       | MCCB    | 6+6+6    | PHV306DDM        | 9000             |
| 8 way       | MCCB    | 8+8+8    | PHV308DDM        | 9565             |
| 12 way      | MCCB    | 12+12+12 | PHV312DDM        | 12195            |

## Enclosures

- As per IS 8623
- Available in 2, 3, 4 & 6 way
- Provided with Neutral terminals, Earth terminals and one blanking plate
- With provision to mount MCB/Isolator/ RCCB/RCBO and other modular devices



| Description | Modules | IP30 Single Door | MRP (₹) Per Unit |
|-------------|---------|------------------|------------------|
| 2 way       | 2       | PHE02DB          | 330              |
| 3 way       | 3       | PHE03DB          | 370              |
| 4 way       | 4       | PHE04DB          | 370              |
| 6 way       | 6       | PHE06DB          | 560              |

## Plug & Socket DBs

- As per IS 8623
- SPN - 10A & 20A; TPN - 32A
- Ready to use DBs complete with colour-coded wire set, neutral bar/s with shroud/s in 1 and 3 module
- With provision to mount MCBs/RCCBs



| Description   | Modules | IP30<br>Single Door | MRP (₹)<br>Per Unit |
|---------------|---------|---------------------|---------------------|
| 10A, 2 Pin+SC | 1       | PMP110DB            | 855                 |
| 20A, 2 Pin+SC | 1       | PMP120DB            | 910                 |
| 20A, 2 Pin+SC | 2       | PMP220DB            | 995                 |
| 32A, 3 Pin+SC | 3       | PMP332DB            | 2365                |

# PROTECT YOURSELF AGAINST ELECTRIC SHOCK!!!

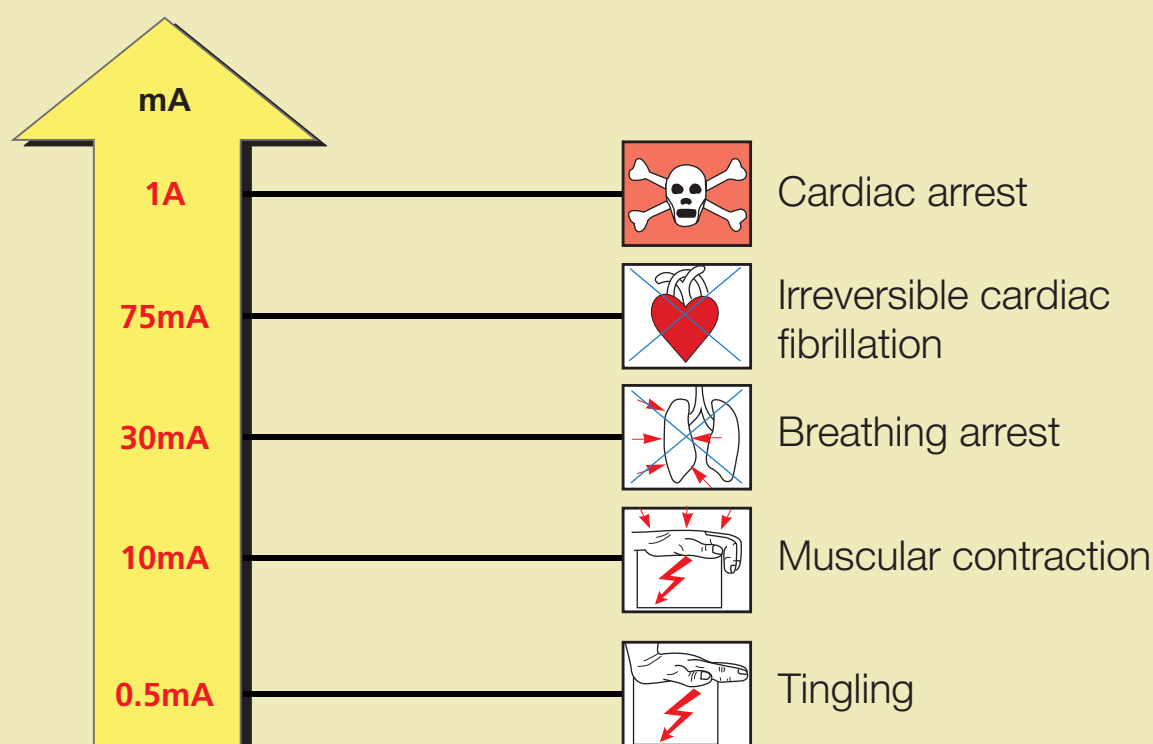
'Short-circuit' is a commonly used terminology to describe various electrical faults. Short-circuit is caused by 2 or 3 phases getting shorted or shorting between phase to neutral. During this phenomenon, the system experiences abnormally high flow of current which can damage the equipment/installations and even cause fire hazards. Electrical devices like HRC fuses, circuit breakers (MCBs, MCCBs etc.) are commonly used for protection against such short-circuit faults.

However, Circuit Breakers like MCBs, MCCBs and HRC fuses do not detect 'leakage currents' which are dangerous for humans and livestock. Leakage current can also lead to fire hazards. Therefore we need a protection device which detects such leakage currents and disconnects the circuit.

RCCB – Residual Current Circuit Breaker is the device which precisely does this function. It is also called as Earth Leakage Circuit Breaker (ELCB).

## Effect of Leakage Current on Human Body

According to the medical study, effects of various current levels on human body are as shown below:



The gravity of electric shock depends on the following factors:

- Current value
- Time for which current remains in the human body
- Path that current takes through the human body
- Resistance of the human body

When current in excess of 30mA flows through human body, the person is in danger if this current is not interrupted in a relatively short time.

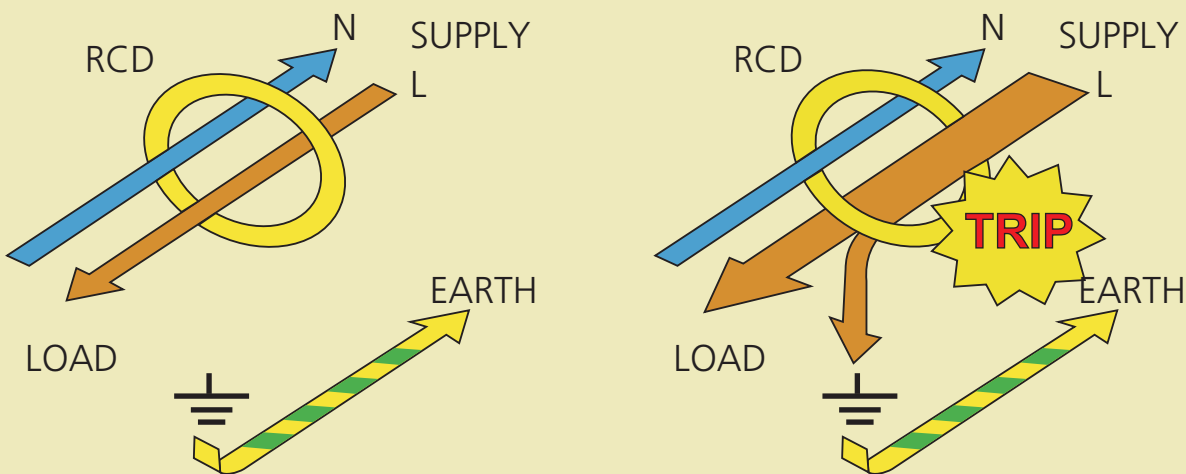


# PROTECT YOURSELF AGAINST ELECTRIC SHOCK!!!

## Working Principal of an RCCB

RCCB or Residual Current Device (RCD) offers leakage protection by constantly monitoring the current flowing in the live and neutral wires supplying to a circuit or individual equipment. Under normal circumstances, the current flowing in the two wires is equal. Earth leakage current will flow in the circuit in following conditions:

1. Due to poor insulation of wire/equipment: Properly selected RCCB will detect this leakage current and trip.
2. Accidental human contact with live/faulty equipment/circuit: Properly selected RCCB will detect this leakage current and trip.



EL+MCB

EL+MCB is also part of the RCD family offering 3-in-1 protection against short-circuit, overload and earth leakage.

## Different Sensitivities in RCCB

Sensitivity in mA is one of the technical parameters of an RCCB. It indicates the tripping threshold of the product. Accordingly, RCCB with 30mA sensitivity will not trip below 50% of rated sensitivity value (15mA in this case) and will definitely trip beyond 15mA and up to 30mA. RCCBs are typically offered in 30mA, 100mA and 300mA sensitivities. Typical applications of RCCBs with these sensitivities can be as below:

| Sensitivity | Typical Application                                                             |
|-------------|---------------------------------------------------------------------------------|
| 30mA        | Human Protection- Kitchens, Bathrooms, Laboratories, Schools and Workshops etc. |
| 100mA       | Protection against indirect contact, Limited personal protection                |
| 300mA       | Cable/fire protection in industrial environment                                 |

# PROTECT YOURSELF AGAINST ELECTRIC SHOCK!!!

## Precautions for Installing an RCCB

1. Wiring should be done as per the wiring diagram by a trained and qualified electrician.
2. All wiring necessary for operation shall be passed through the RCCB.
3. All equipment must be properly earthed.
4. To ensure correct functioning, care must be taken that the neutral conductor on the load side of the RCCB must not be connected to earth, otherwise nuisance tripping may occur or tripping may be impaired.
5. In case, individual RCCBs are used as sub-incomers in R, Y and B phases, outgoing neutrals of these RCCBs should not be looped together, separating all three phases/circuits electrically.
6. Overcurrent protection device such as MCB or HRC fuse shall be used for protection of the circuit under installation.

## Test Button Facility in RCCBs

As RCCBs provide protection against leakage current, one needs to be certain that these products are always ready to act whenever leakage current phenomenon takes place. To get this assurance, there is a provision of 'Test Button' in RCCBs. While RCCB is energized (given necessary power supply), one can press the test button which will activate the mechanism inside and make the RCCB trip. It shows that RCCB is healthy and ready to provide leakage current protection.



## Why RCCB should not be Bypassed?

If sensitivity selection of an RCCB is not done properly, it might offer unwanted tripping. And one of the reasons for bypassing RCCBs is its unwanted tripping.

For example, the circuit demands 100mA RCCB to be installed; RCCB will not trip up to 50mA and will trip in the band beyond 50mA and up to 100mA. Now, on account of incorrect selection, if 30mA RCCB is installed in this circuit, it might offer unwanted/nuisance tripping.

If RCCB is bypassed, there will not be any leakage protection device in the system leading to electric shock and fire hazards. Therefore it is important to select RCCB with right sensitivity and not bypass it in the system.

## General Terms

All prices are on maximum retail price basis inclusive of Excise Duty and VAT/Sales Tax as applicable.

Prices are subject to revision without notice.

## Warranty Policy

All the products listed in the price list carry a warranty against manufacturing defects for a period of 18 months from the date of purchase\*.

Should the product prove to be defective due to faulty workmanship or otherwise, we will remedy the defect or replace the faulty parts or the whole product at our discretion, as soon as possible, free of cost.

The warranty is however subject to the provision of proper usage, efficient maintenance and does not cover defects arising out of fire, accident, inefficient maintenance, faulty operation and willful or accidental damage. The manufacturer shall not be liable for any consequential loss, injury or damages attributable to defect or failure of its products.

\* All switches (without indicator) and power sockets and other accessories carry a warranty against manufacturing defect for a period of 12 years.

\* All ORIS products with electronic circuits and LED carry a warranty against manufacturing defect for a period of 2 years.

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