

Where
Style & Safety
live together



Maximum Retail Prices
Effective from 01 - 01 - 2016

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

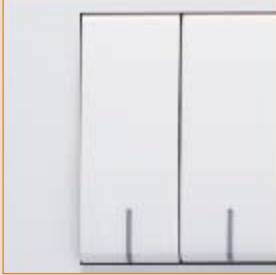


ORIS switches from L&T are a piece of signature design. Its glossy finish and rib less design that leaves only a hairline gap between the switches, makes cleaning easy. Its fire retardant and impact resistant polycarbonate material enhances durability, fire resistance & color stability.

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.

KEY FEATURES

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



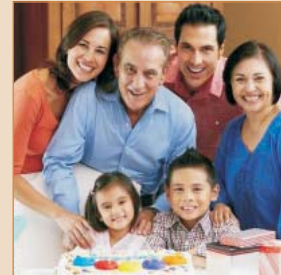
- Saves space by accommodating more modules in standard wall box of other makes
- Uses smaller wall boxes for the same number of switches hence saves money

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

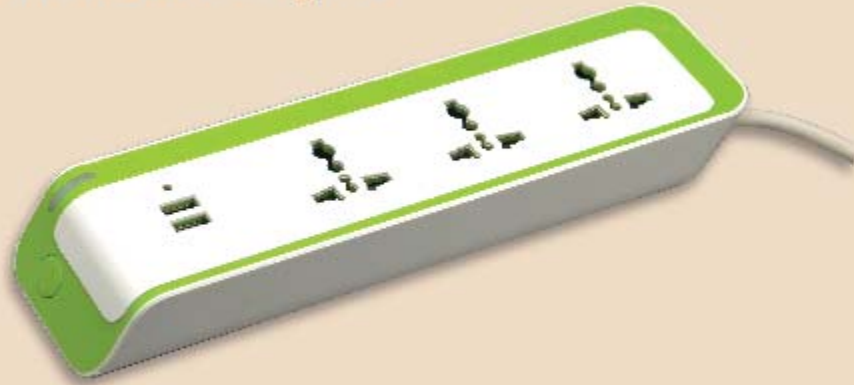
Longer Life



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

NEW PRODUCTS


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

SWITCHES

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	146	20
10AX	1	1- Way switch Plain	OS15W10	120	20
10AX	1	2- Way switch Plain	OS16W10	146	20
16AX	1	1- Way switch Plain	OS15W16	169	20
16AX	1	2- Way switch Plain	OS16W16	202	20
20A	1	1- Way switch Plain	OS15W20	175	20
20A	1	2- Way switch Plain	OS16W20	213	20

Salient Features:

- Switch without line
- 1.5 lacs switching operations
- Silver coated Brass terminals
- IP20 - Finger proof terminals
- Captive terminal 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	152	20
6AX	1	1 - Way switch with LED	OS13W06	152	20
10AX	1	1 - Way switch	OS11W10	125	20
10AX	1	2 - Way switch	OS12W10	152	20
10AX	1	1 - Way switch with LED	OS13W10	152	20
16AX	1	1 - Way switch	OS11W16	176	20
16AX	1	2 - Way switch	OS12W16	211	20
16AX	1	1 - Way switch with LED	OS13W16	198	20
20A	1	1 - Way switch	OS11W20	182	20
20A	1	2 - Way switch	OS12W20	221	20
20A	1	1 - Way switch with LED	OS13W20	208	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	340	10
32A	2	DP 1 Way switch with LED	OS24W32	408	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

SOCKETS

Sockets



Data Sockets



Rating	Module	Description	Cat. Nos.	MRP (₹) Per Unit	Std Pkg
6A	1	2-Pin Euro socket, Shuttered	OC11W06	133	20
6A	3	Uni socket, Shuttered	OC31W06	153	10
6A	3	2-Pin / 3-Pin socket, Shuttered	OC32W06	169	10
16A	3	3-Pin power socket, Shuttered	OC31W16	251	10
6/16A	3	Twin 3-Pin power socket, Shuttered	OC32W66	258	10
6/10/13A	3	Universal pin socket, Shuttered	OC32W13	239	10
25A	3	3-Pin power socket, Shuttered	OC31W25	266	10

Module	Description	Cat. Nos.	MRP (₹) Per Unit	Std Pkg
1	RJ 11 Shuttered	OT11W11	143	20
1	Twin RJ 11 Shuttered	OT12W11	177	20
1	RJ 45, Cat 6, Shuttered	OT11W45	455	20
1	TV Socket	OT11W00	129	20

ACCESSORIES

Bell Push & Night Locator Switch



Dimmer & Fan Regulator



Electronic power saving fan regulator improves life of fan

Rating	Module	Description	Cat. Nos.	MRP (₹) Per Unit	Std Pkg
6AX	1	Bell push	OB11W06	152	20
6AX	1	Bell push with LED	OB13W06	170	20
10AX	2	Bell push with LED	OB23W10	208	10
6AX	1	1 - Way switch with Blue LED	OS14W06	165	20
10AX	1	1 - Way switch with Blue LED	OS14W10	165	20
6AX	1	Bell push Plain	OB15W06	146	20

Rating	Module	Description	Cat. Nos.	MRP (₹) Per Unit	Std Pkg
400W	2	Lamp dimmer	OD21W04	515	10
650W	3	Lamp dimmer	OD31W06	614	10
1000W	3	Lamp dimmer	OD31W10	839	10
120W	2	5 Step fan regulator, 360° rotation	OR22W01	609	10

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

MODULE PLATES & BOXES

Face & Grid Plates



OF11W00



OF21W00



OF31W00



OF32W00



OF41W00



OF81W00



OF10W02



OF10W03



OF12W00



OF16W00



OF24W00

Module	Description	Cat. Nos.	MRP (₹) Per Unit	Std Pkg
1	1 Module grid frame + Cover	OF11W00	101	10
2	2 Module grid frame + Cover	OF21W00	101	10
3	3 Module universal GF + Cover	OF31W00	124	10
3	3 Module mini GF + Cover	OF32W00	113	10
4	4 Module grid frame + Cover	OF41W00	129	10
6	6 Module grid frame + Cover	OF61W00	170	10

Module	Description	Cat. Nos.	MRP (₹) Per Unit	Std Pkg
8	8 Module grid frame + Cover	OF81W00	202	10
10	10 Module grid frame + Cover	OF10W02	239	5
10	10 Module + 433 Module grid frame+Cover	OF10W03	239	5
12	12 Module grid frame + Cover	OF12W00	287	5
16	16 Module grid frame + Cover	OF16W00	314	5
24	24 Module grid frame + Cover	OF24W00	414	5

Recess Metal Wall Box (GI)



OW21M00



OW41M00



OW61M00



OW81M00



OW10M00

Module	Description	Cat. Nos.	MRP (₹) Per Unit	Std Pkg
1 & 2	Metal box 1 & 2 Module	OW21M00	79	64
3 & 4	Metal box 3 & 4 Module	OW41M00	97	48
6	Metal box 6 Module	OW61M00	121	48
8	Metal box 8 Module linear	OW81M00	166	32
10	Metal box 10 Module linear	OW10M00	209	32
12	Metal box 12 Module	OW12M00	271	24
16	Metal box 16 Module	OW16M00	276	16
24	Metal box 24 Module	OW24M00	383	12

Surface Box (Plastic)



OW21W00



OW61W00



OW10W00



OW12W00

Module	Description	Cat. Nos.	MRP (₹) Per Unit	Std Pkg
1 & 2	1/2 Module surface box	OW21W00	91	48
3 & 4	3/4 Module surface box	OW41W00	108	40
6	6 Module surface box	OW61W00	129	48
8	8 Module surface box	OW81W00	134	30
10	10 Module surface box	OW10W00	162	30
12	12 Module surface box	OW12W00	177	20
16	16 Module surface box	OW16W00	258	16

SPECIAL APPLICATION PRODUCTS

Motor Starters



OS31W20
OS31W25



OS32W20
OS32W25



OS61W25

Rating	Module	Description	Cat. Nos.	MRP (₹) Per Unit	Std Pkg
20A	3	Modular AC/Motor starter, Single phase	OS31W20	764	5
25A	3	Modular AC/Motor starter, Single phase	OS31W25	780	5
20A		Non-modular AC/Motor starter, Single phase	OS32W20	764	5
25A		Non-modular AC/Motor starter, Single phase	OS32W25	780	5
25A	6	Safety AC Power Unit*	OS61W25	1343	1

Accessories



OA11W00



OA21W00



OA10W00



OL61W06

Module	Description	Cat. Nos.	MRP (₹) Per Unit	Std Pkg
1	LED Indicator light	OA11W00	123	20
2	Buzzer	OA21W00	284	10
1	Blank off unit	OA10W00	25	20
6	LED Footlight -1 watt	OL61W06	632	5
1	1 Module jacket	OA12W00	11	50
2	2 Module jacket	OA22W00	12	50
1	Cable outlet	OA13W00	108	20



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	322	20
2	DND + MMR selector switch	OH21W00	458	10
4	Electronic key tag with built-in relay 20A	OH41W20	3300	5
3	Volume controller	OH31W00	465	10

Module	Description	Cat. Nos.	MRP (₹) Per Unit	Std Pkg
4	Mechanical key tag 20A**	OH42W20	463	4
4	Mechanical key tag 32A**	OH42W32	588	4
-	Key holder of mechanical key tag	OH40W00	83	20
6	Shaver socket**	OH61W00	2955	1

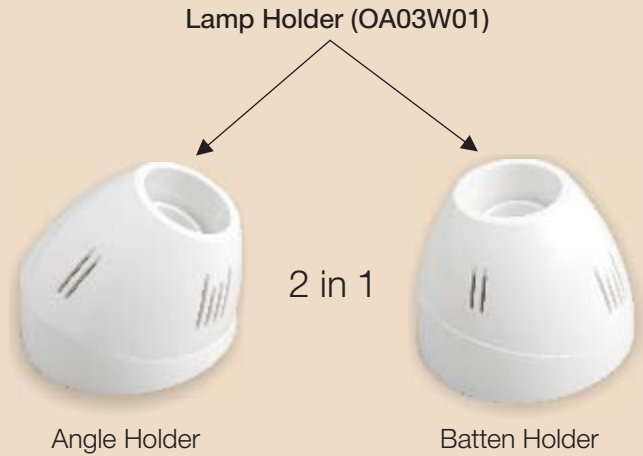
Note:

- ★ Supplied pre-wired with cover and grid plates
- Motor Starter conforms to IEC -947-4-1 & IS:13947-4-Sec.1
- Power consumption by foot light is only 1 watt

** Supplied with face and grid plate.

STANDALONE RANGE

Ceiling Rose & Lamp Holder



Description	Cat. Nos.	MRP (₹) Per Unit	Std Pkg
Jumbo Ceiling Rose	OA20W00	42	20
Lamp Holder	OA03W01	69	60
New Lamp Holder- Angular	OA03W02	40	30
New Lamp Holder- Batten	OA03W03	38	40

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	675	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 marking
- Warranty - 2 years

Plug Tops



Rating	Description	Cat. Nos.	MRP (₹) Per Unit	Std Pkg
6A	Plug top - 2 pin	OP02W06	36	20
6A	Plug top - 3 Pin	OP01W06	62	40
6A	Plug top with indicator - 3 Pin	OP03W06	75	40
16A	Plug top - 3 Pin	OP01W16	94	30
16A	Plug top with indicator - 3 Pin	OP03W16	105	30
25A	Plug top - 3 Pin	OP01W25	99	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 marked Plug Tops conforms to IS 1293:2005

STANDALONE RANGE



Features

- 5W Solar panel for fast charging
- Built-in mobile charger for charging mobile phones
- Adjustable light intensity modes (dimming)
Full mode – 10hrs, Economy mode – 20 hrs & Night mode – 40 hrs
- Save on electricity bills
- Uninterrupted light by external mains charger (AC) even in monsoon
- IP54 – suitable for outdoor applications

Description	Cat. Nos.	MRP (₹) Per Unit	Std Pkg
Solar LED Lantern SET	CB922290000	3625 (only for sale in Maharashtra, Madhya Pradesh, Bihar, Jammu & Kashmir, Jharkhand, Goa, West Bengal, Kerala)	4
		3970 (For sale in rest of India)	

★ Available in select states only.
For more information contact our Customer Interaction Center (CIC).

MOULDED CASE CIRCUIT BREAKERS

Moulded Case Circuit Breakers - DU100/DU125U MCCB



DU100: 32/63/100A SS Enclosure
DU125U: 125A

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 ▲	2600
SS Enclosure	ST980500000	785
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.



Direct Handle

KEY FEATURES

Trip~~per~~[®] Modular Devices



The Assurance of Absolute Safety.

Specially designed and developed for residential and commercial installations.



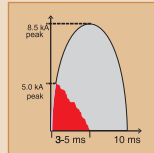
Absolute safety tripper modular devices spell world class

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 in-comer side. Tripper terminals offer simple termination flexibly.



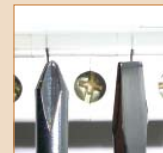
Two position DIN rail clip

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

High Quality

- 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	156	BA20060B	525
10A B-Curve	BA10100B	156	BA20100B	525
16A B-Curve	BA10160B	156	BA20160B	525
20A B-Curve	BA10200B	156	BA20200B	525
25A B-Curve	BA10250B	156	BA20250B	525
32A B-Curve	BA10320B	156	BA20320B	525
40A B-Curve	BA10400B	310	BA20400B	770

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	158	BA20060C	555	BA30060C	850	BA40060C	1200
10A C-Curve	BA10100C	158	BA20100C	555	BA30100C	850	BA40100C	1200
16A C-Curve	BA10160C	158	BA20160C	555	BA30160C	850	BA40160C	1200
20A C-Curve	BA10200C	158	BA20200C	555	BA30200C	850	BA40200C	1200
25A C-Curve	BA10250C	158	BA20250C	555	BA30250C	850	BA40250C	1200
32A C-Curve	BA10320C	158	BA20320C	555	BA30320C	850	BA40320C	1200
40A C-Curve	BA10400C	330	BA20400C	790	BA30400C	1180	BA40400C	1595
63A C-Curve	BA10630C	420	BA20630C	925	BA30630C	1345	BA40630C	1785

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

ISOLATORS



High Quality

- 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	325	BE304000	595	BE404000	765
63A Isolator	BE206300	410	BE306300	665	BE406300	780
80A Isolator	BE208000	545	BE308000	795	BE408000	930
100A Isolator	BE210000	565	BE310000	805	BE410000	950

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

RESIDUAL CURRENT CIRCUIT BREAKERS / EARTH LEAKAGE CIRCUIT BREAKERS



RCCBs / ELCBs

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



Two Pole

Four Pole

Double Pole		
Description	Cat. Nos.	MRP (₹) Per Unit
2Pole 25A 30mA	BC202503	1995
2Pole 25A 100mA	BC202510	2040
New 2Pole 25A 300mA	BC202530	2040
2Pole 40A 30mA	BC204003	2200
2Pole 40A 100mA	BC204010	2215
New 2Pole 40A 300mA	BC204030	2215
2Pole 63A 30mA	BC206303	2795
2Pole 63A 100mA	BC206310	2810
New 2Pole 63A 300mA	BC206330	2810

Four Pole		
Description	Cat. Nos.	MRP (₹) Per Unit
4Pole 25A 30mA	BC402503	2555
4Pole 25A 100mA	BC402510	2575
New 4Pole 25A 300mA	BC402530	2575
4Pole 40A 30mA	BC404003	2600
4Pole 40A 100mA	BC404010	2625
New 4Pole 40A 300mA	BC404030	2625
4Pole 63A 30mA	BC406303	2960
4Pole 63A 100mA	BC406310	3000
New 4Pole 63A 300mA	BC406330	3000

★ Standard Pack Quantity for RCCBs - 1 No.

EARTH LEAKAGE + MINIATURE CIRCUIT BREAKERS



EL+MCBs (RCBO) - 2 Pole

- Combination of ELCB & MCB (EL+MCB) at the price of ELCB, 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. (30mA)	MRP (₹) Per Unit (30mA)	Cat. Nos. (100mA)	Cat. Nos. (300mA)	MRP (₹) Per Unit (100mA/300mA)
6A 2P ELCB+MCB	CB90001OOTO	2610	CB90003OOTO	CB90005OOTO	2715
10A 2P ELCB+MCB	CB90001OOVO	2610	CB90003OOVO	CB90005OOVO	2715
16A 2P ELCB+MCB	CB90001OOBO	2610	CB90003OOBO	CB90005OOBO	2715
20A 2P ELCB+MCB	CB90001OOCO	2610	CB90003OOCO	CB90005OOCO	2715
25A 2P ELCB+MCB	CB90001OODO	2610	CB90003OODO	CB90005OODO	2715
32A 2P ELCB+MCB	CB90001OOEO	2945	CB90003OOEO	CB90005OOEO	2885
40A 2P ELCB+MCB	CB90001OOFO	2945	CB90003OOFO	CB90005OOFO	2885
63A 2P ELCB+MCB	CB90001OOHO	3620	CB90003OOHO	CB90005OOHO	3460

EL+MCBs (RCBO) - 4 Pole



Four Pole

Description	Cat. Nos. (30mA)	MRP (₹) Per Unit (30mA)	Cat. Nos. (100mA)	Cat. Nos. (300mA)	MRP (₹) Per Unit (100mA/300mA)
6A 4P ELCB+MCB	CB90002OOTO	3285	CB90004OOTO	CB90006OOTO	3105
10A 4P ELCB+MCB	CB90002OOVO	3285	CB90004OOVO	CB90006OOVO	3105
16A 4P ELCB+MCB	CB90002OOBO	3285	CB90004OOBO	CB90006OOBO	3105
20A 4P ELCB+MCB	CB90002OOCO	3285	CB90004OOCO	CB90006OOCO	3105
25A 4P ELCB+MCB	CB90002OODO	3285	CB90004OODO	CB90006OODO	3105
32A 4P ELCB+MCB	CB90002OOEO	3430	CB90004OOEO	CB90006OOEO	3285
40A 4P ELCB+MCB	CB90002OOFO	3430	CB90004OOFO	CB90006OOFO	3285
63A 4P ELCB+MCB	CB90002OOHO	4180	CB90004OOHO	CB90006OOHO	3815

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

DISTRIBUTION BOARDS

- 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) DB



Single Door



Double Door

Description	Cat. Nos.	MRP (₹) Per Unit (Single Door)	Cat. Nos.	MRP (₹) Per Unit (Double Door)
4 MOD SPN DB	BH104SDB	605	BH104DDB	970
6 MOD SPN DB	BH106SDB	665	BH106DDB	1100
8 MOD SPN DB	BH108SDB	750	BH108DDB	1225
12 MOD SPN DB	BH112SDB	1015	BH112DDB	1500
16 MOD SPN DB	BH116SDB	1250	BH116DDB	1815

Three Phase Neutral (TPN) DB



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	1890	BH304DDB	2485
8+6+6+6 TPN DBs	BH306SDB	2325	BH306DDB	2980
8+8+8+8 TPN DBs	BH308SDB	2720	BH308DDB	3625
8+12+12+12 TPN DBs	BH312SDB	3760	BH312DDB	5000

Phase Selector DB

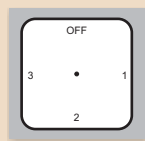


Phase Selector DB

Description	Cat. Nos.	MRP (₹) Per Unit (Double Door)
8+4+4+4	BHC04DDB	7880
8+6+6+6	BHC06DDB	8400

TPN Phase Selector Double Door DB 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	348
32 Amps, 1 Pole, 3 Way with OFF	74000PFB03TDYR	435
40 Amps, 1 Pole, 3 Way with OFF	74000PGB03TDYR	633
63 Amps, 1 Pole, 3 Way with OFF	74000PIB03TDYR	714

* Available in selected states only

Enclosures, Plug and Sockets and VTPN DB



Enclosure



Plug and Socket



VTPN DB

Description	Cat. Nos.	MRP (₹) Per Unit (Double Door)
Trippler 2 Way Enclosure	BHE02DB	300
Trippler 3 Way Enclosure	BHE03DB	340
Trippler 4 Way Enclosure	BHE04DB	340
Trippler 6 Way Enclosure	BHE06DB	505
Trippler 10A 2 Pin + SC# 1 Module P&S	BHP120DB	840
Trippler 20A 2 Pin + SC# 2 Module P&S	BHP220DB	940
Trippler 32A 3 Pin + SC# 3 Module P&S	BHP332DB	2225
Trippler 4 Way VTPN DB - Modular I/C	BHV304DDB	6550
Trippler 6 Way VTPN DB - Modular I/C	BHV306DDB	7600
Trippler 8 Way VTPN DB - Modular I/C	BHV308DDB	8350
Trippler 12 Way VTPN DB - Modular I/C	BHV312DDB	10900

* Standard Pack Quantity for DBs - 1 No.

#SC - Scraping Earth

PROTECT YOURSELF AGAINST ELECTRIC SHOCK!!!

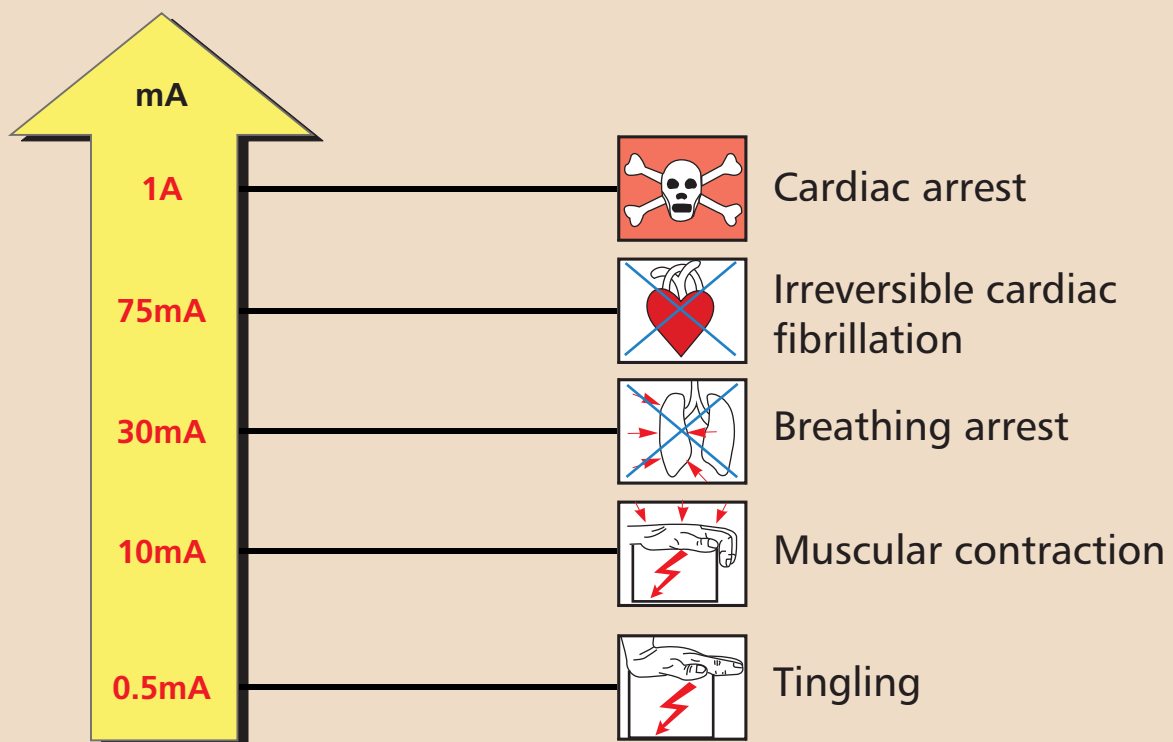
'Short-circuit' is a commonly used terminology to describe various electrical faults. Short-circuit is caused by 2 or 3 phases getting shorted or shorting between phase to neutral. During this phenomenon, the system experiences abnormally high flow of current which can damage the equipment/installations 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

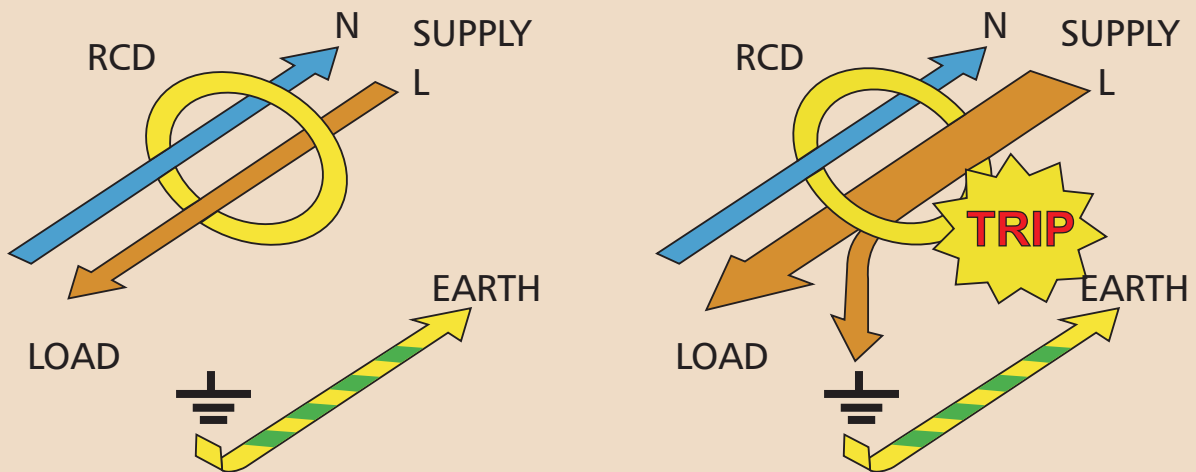
When current in excess of 30mA flows through human body, the person is in danger if this current is not interrupted in a relatively short time.

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.

DISTI SELECT PARTNER (DSP)

For latest information and special applications, please call any of the numbers given below.

Product improvement is a continuous process. For the latest information and special applications, please contact any of our offices listed here. Product photographs shown are for representative purpose only.



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