

# ADDED SECURITY, PLUS QUALITY

Range of Protection Devices



ISO  
9001:2015  
CERTIFIED COMPANY



RoHS

MCB | RCCB | Distribution Board

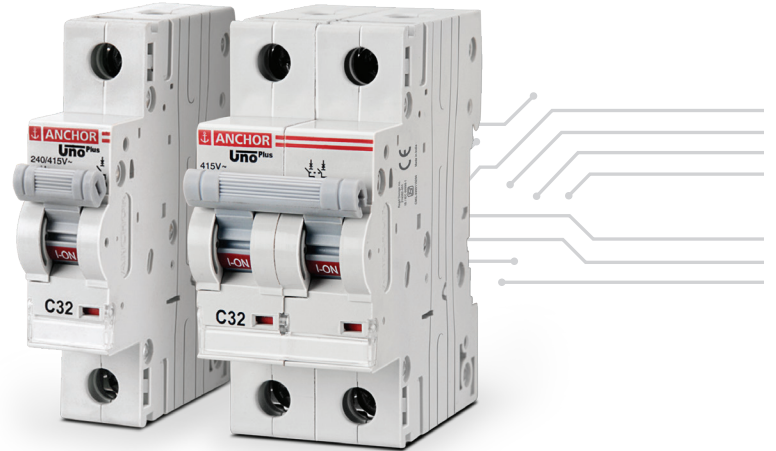
**PRICE LIST**  
JULY 2022



## Miniature Circuit Breaker (MCB)

Engineered to deliver optimum security to the heavy electrical appliances of your home and office, the Anchor UNO Plus MCB range becomes a cherished partner of the premise. Powered by Panasonic technology, this range is designed by the finest brains of India and Japan.

These Circuit breakers secure the premise from electrical fire caused due to short circuits. Manufactured with superior fire-resistant plastic parts, which prevent abnormal heating and offer resistance against strong impacts. The breaker offers high short circuit breaking capacity of 10000A (10kA).



### Key Features

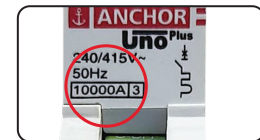
#### STATE OF THE ART DESIGN

UNO Plus MCB has state of the art design. The MCB is elegant and has ergonomically designed knob for better grip.



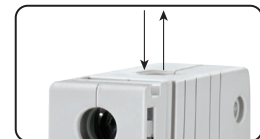
#### 10kA BREAKING CAPACITY

High speed current breaking at short circuits with energy limiting class of 3 fulfils the requirement of safety & protection from high currents in small time, milliseconds.



#### LINE LOAD REVERSIBILITY

The connections to the Line/Load supply can be made from either Top terminals / bottom terminal. The design of MCB doesn't differentiate between feeding of line current from either side.



#### UNIVERSAL TERMINALS

Connections to the MCB can be made by either cables or bus bars. Dual termination capacity provides flexibility for mounting MCB in DB.



#### NO FALL OUT OF SCREWS

Captive screws enable them to be held with the terminals, and they arrest the fall of them in MCB out of the product.



#### VENTILATION CHANNELS

Channels are designed at the side covers of MCB, to enhance the flow of air between adjacent poles of MCB, making it running cool and thus low watt loss.



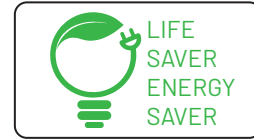
#### KNOB PAD LOCKING

MCB can be locked either in ON or OFF position of MCB to prevent unwanted operation of the product.



### ENERGY-EFFICIENT

UNO Plus MCB has lower watt loss values compared to the specification of Indian standards. Thus, it runs at a cool temperature. Due to lower wattage loss, it can effectively be termed an energy efficient.



### ON-OFF CONTACT INDICATION

GREEN indication on the position contact indicator, ensures physical opening of the contacts. RED indication shows the circuit is ON.



### EASY REMOVAL FROM DIN CHANNEL

MCB can be snap fit easily on DIN channel of width 35mm. Removal of MCB from a channel of MCBs can be done conveniently without disturbing other installed devices.



### TERMINATION CAPABILITY

Maximum termination capacity of connecting terminals is 35sq.mm at both Top and Bottom terminals; enabling use of aluminium conductors in DB.



### IP20 PROTECTION

UNO Plus believes in safety first. Finger-proof terminals eliminate chances of accidental contact with live parts as all of them are shrouded/inaccessible, ensuring safety of installers.



### SAFETY SLIDING SHUTTERS

Insulating shutters ensures safety to personnel and guides the cables for termination.



### LOAD IDENTIFICATION LABEL

Labelling of the circuit at front panel for display of load.



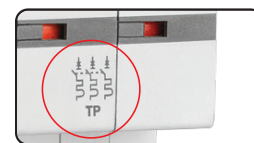
### GREEN PRODUCT

The plastic material used is High performance engineering plastics, which meets a glow wire test of 960°C. UNO Plus MCB uses RoHS compliant environmentally friendly components. MCBs can now be recycled without creating environment pollution.



### SUITABLE FOR ISOLATION

UNO Plus MCB guarantees complete electrical isolation of the downstream circuit when switched off, thus enhancing safety for users.



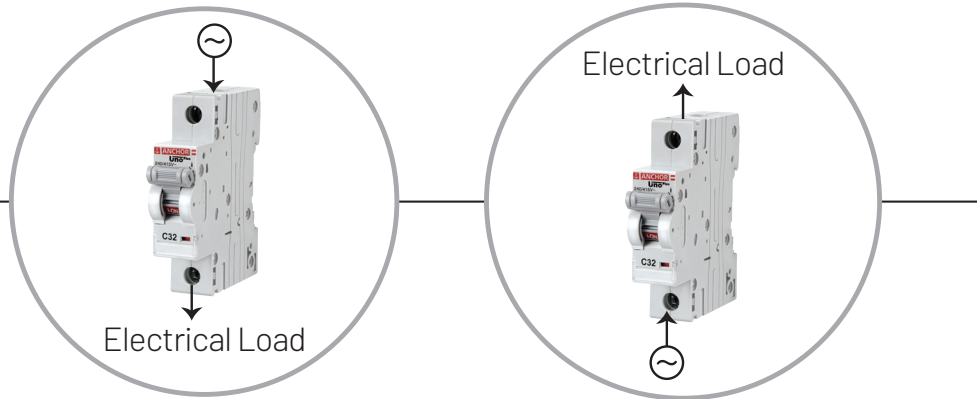
### CERTIFICATES

UNO Plus MCB is ISI marked as per IS/IEC 60898-1: 2015. This product has CE certification. A design registration patent is also registered.



## Special Key Features

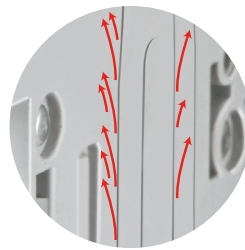
### Line Load reversibility



Safety Sliding Shutters



Dual Termination



Breathing Channels



Load Identification Label

## Technical Specifications

FEATURES	UNO PLUS MCB
Applicable standard	IS/IEC 60898-1:2015
Rated Current (In)	0.5A to 63A
No. of Poles	SP, SP+N, DP, TP, TP+N, FP
Tripping Characteristics	B* and C
Rated Short Circuit Breaking Capacity (Icn)	10kA
Rated Voltage (Ue)	240V AC, 415V AC
Rated Frequency (f)	50 Hz
Rated Insulation Voltage (Ui)	660V
Rated Impulse Voltage (Uimp)	4 kV
Dielectric Strength	2.5 kV
Terminal Capacity	35 mm <sup>2</sup> at both Line & Load
Protection Class	IP20
Switching Mechanism	Manual & Trip-free mechanism
Tripping Mechanism	Thermal-magnetic
Termination	Bi-connect (Bus bar /cable) at both Line & Load
Contact Position Indication (ON-OFF)	Yes
Knob Pad Locking	Yes
Safety Shutters	Yes
Line Load Reversible	Yes
Label Holder	Yes
RoHS Compliant	Yes



## Miniature Circuit Breaker (MCB)

### MCB SP 'C' TYPE



Product Code	Description	Unit Sale Price Rs. per number	Standard Packing Quantity (Number)	Maximum Retail Price of Standard Packing (Inclusive of all taxes) Rs.	Units in Master Packing (Number) Wholesale Pack
98801	0.5A SP C UNO PLUS MCB	430	12	5160	120
98802	1A SP C UNO PLUS MCB	430	12	5160	120
98803	2A SP C UNO PLUS MCB	430	12	5160	120
98804	3A SP C UNO PLUS MCB	430	12	5160	120
98805	4A SP C UNO PLUS MCB	430	12	5160	120
98806	5A SP C UNO PLUS MCB	430	12	5160	120
98807	6A SP C UNO PLUS MCB	255	12	3060	120
98808	10A SP C UNO PLUS MCB	255	12	3060	120
98809	16A SP C UNO PLUS MCB	255	12	3060	120
98810	20A SP C UNO PLUS MCB	255	12	3060	120
98811	25A SP C UNO PLUS MCB	255	12	3060	120
98812	32A SP C UNO PLUS MCB	255	12	3060	120
98813	40A SP C UNO PLUS MCB	595	12	7140	120
98814	63A SP C UNO PLUS MCB	650	12	7800	120

### MCB SPN 'C' TYPE



98815	0.5A SPN C UNO PLUS MCB	915	6	5490	60
98816	1A SPN C UNO PLUS MCB	915	6	5490	60
98817	2A SPN C UNO PLUS MCB	915	6	5490	60
98818	3A SPN C UNO PLUS MCB	915	6	5490	60
98819	4A SPN C UNO PLUS MCB	915	6	5490	60
98820	5A SPN C UNO PLUS MCB	915	6	5490	60
98821	6A SPN C UNO PLUS MCB	730	6	4380	60
98822	10A SPN C UNO PLUS MCB	730	6	4380	60
98823	16A SPN C UNO PLUS MCB	730	6	4380	60
98824	20A SPN C UNO PLUS MCB	730	6	4380	60
98825	25A SPN C UNO PLUS MCB	730	6	4380	60
98826	32A SPN C UNO PLUS MCB	730	6	4380	60
98827	40A SPN C UNO PLUS MCB	1170	6	7020	60
98828	63A SPN C UNO PLUS MCB	1310	6	7860	60

### MCB DP 'C' TYPE



98829	0.5A DP C UNO PLUS MCB	1035	6	6210	60
98830	1A DP C UNO PLUS MCB	1035	6	6210	60
98831	2A DP C UNO PLUS MCB	1035	6	6210	60
98832	3A DP C UNO PLUS MCB	1035	6	6210	60
98833	4A DP C UNO PLUS MCB	1035	6	6210	60
98834	5A DP C UNO PLUS MCB	1035	6	6210	60
98835	6A DP C UNO PLUS MCB	790	6	4740	60
98836	10A DP C UNO PLUS MCB	790	6	4740	60
98837	16A DP C UNO PLUS MCB	790	6	4740	60
98838	20A DP C UNO PLUS MCB	790	6	4740	60
98839	25A DP C UNO PLUS MCB	790	6	4740	60
98840	32A DP C UNO PLUS MCB	790	6	4740	60
98841	40A DP C UNO PLUS MCB	1215	6	7290	60
98842	63A DP C UNO PLUS MCB	1370	6	8220	60

### MCB TP 'C' TYPE



Product Code	Description	Unit Sale Price Rs. per number	Standard Packing Quantity (Number)	Maximum Retail Price of Standard Packing (Inclusive of all taxes) Rs.	Units in Master Packing (Number) Wholesale Pack
98843	0.5A TP C UNO PLUS MCB	1335	4	5340	40
98844	1A TP C UNO PLUS MCB	1335	4	5340	40
98845	2A TP C UNO PLUS MCB	1335	4	5340	40
98846	3A TP C UNO PLUS MCB	1335	4	5340	40
98847	4A TP C UNO PLUS MCB	1335	4	5340	40
98848	5A TP C UNO PLUS MCB	1335	4	5340	40
98849	6A TP C UNO PLUS MCB	1170	4	4680	40
98850	10A TP C UNO PLUS MCB	1170	4	4680	40
98851	16A TP C UNO PLUS MCB	1170	4	4680	40
98852	20A TP C UNO PLUS MCB	1170	4	4680	40
98853	25A TP C UNO PLUS MCB	1170	4	4680	40
98854	32A TP C UNO PLUS MCB	1170	4	4680	40
98855	40A TP C UNO PLUS MCB	1860	4	7440	40
98856	63A TP C UNO PLUS MCB	2010	4	8040	40

### MCB TPN 'C' TYPE



98857	0.5A TPN C UNO PLUS MCB	1775	3	5325	30
98858	1A TPN C UNO PLUS MCB	1775	3	5325	30
98859	2A TPN C UNO PLUS MCB	1775	3	5325	30
98860	3A TPN C UNO PLUS MCB	1775	3	5325	30
98861	4A TPN C UNO PLUS MCB	1775	3	5325	30
98862	5A TPN C UNO PLUS MCB	1775	3	5325	30
98863	6A TPN C UNO PLUS MCB	1580	3	4740	30
98864	10A TPN C UNO PLUS MCB	1580	3	4740	30
98865	16A TPN C UNO PLUS MCB	1580	3	4740	30
98866	20A TPN C UNO PLUS MCB	1580	3	4740	30
98867	25A TPN C UNO PLUS MCB	1580	3	4740	30
98868	32A TPN C UNO PLUS MCB	1580	3	4740	30
98869	40A TPN C UNO PLUS MCB	2280	3	6840	30
98870	63A TPN C UNO PLUS MCB	2370	3	7110	30

### MCB FP 'C' TYPE



98871	0.5A FP C UNO PLUS MCB	1910	3	5730	30
98872	1A FP C UNO PLUS MCB	1910	3	5730	30
98873	2A FP C UNO PLUS MCB	1910	3	5730	30
98874	3A FP C UNO PLUS MCB	1910	3	5730	30
98875	4A FP C UNO PLUS MCB	1910	3	5730	30
98876	5A FP C UNO PLUS MCB	1910	3	5730	30
98877	6A FP C UNO PLUS MCB	1745	3	5235	30
98878	10A FP C UNO PLUS MCB	1745	3	5235	30
98879	16A FP C UNO PLUS MCB	1745	3	5235	30
98880	20A FP C UNO PLUS MCB	1745	3	5235	30
98881	25A FP C UNO PLUS MCB	1745	3	5235	30
98882	32A FP C UNO PLUS MCB	1745	3	5235	30
98883	40A FP C UNO PLUS MCB	2380	3	7140	30
98884	63A FP C UNO PLUS MCB	2530	3	7590	30

\* B Type MCBs are available as on special request.  
50A of All Poles are also available on request.



## Residual Current Operated Circuit Breaker (RCCB)

RCCB is a device designed to disconnect the load from the supply mains, when the residual current ( $I_{\Delta n}$ ) flowing in the circuit is more than the rated residual current of a RCCB.

The leakage of currents can be due to direct contact or indirect contact of Human beings or livestock.

The other causes of leakage current can be due to failure in insulation, cables bitten by rats. It can also be due to aged installed appliances.



### Key Features

- Position indicator
- Busbar cable termination in both line and load side
- Advanced neutral allows making of Neutral first and breaking of Neutral last; ensuring complete discharge of the circuit
- Bi-connect terminals for bus bar as well as cable connections
- No nuisance tripping
- IP 20 protection - finger touch proof connection terminals
- Large terminal size 35 sq mm
- Truly current operated
- Manufactured in accordance with IS 12640 Part I
- Flame retardant body and cover
- Protected neutral bar on pan assembly

Residual current operated circuit-breakers functionally independent of line voltage finds application for household and similar uses, not incorporating over-current protection (hereafter referred to as RCCBs), for rated voltages not exceeding 440 V a.c. and rated currents not exceeding 125 A, intended principally for protection against shock-hazard.

These devices are intended to protect persons against indirect contact, the exposed conductive parts of the installation being connected to an appropriate earth electrode. They may be used to provide protection against fire hazards due to a persistent earth fault current, without the operation of the over-current protective device.

### Operating Principle

RCCB works on the principle of Kirchhoff's current law which states that the "total current or charge entering a junction or node is exactly equal to the charge leaving the node as it has no other place to go except to leave, as no charge is lost within the node". In other words the algebraic sum of ALL the currents entering and leaving a node must be equal to zero,  $I_{(exiting)} + I_{(entering)} = 0$ .

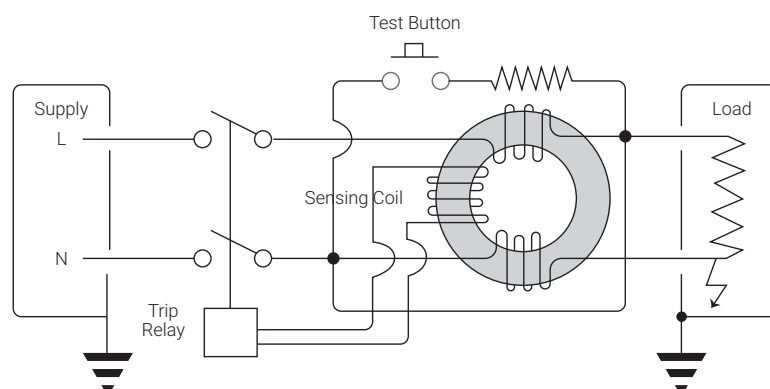
In simple words; Incoming current must be equal to the outgoing current in the circuit.

RCCB construction is made up of a core balance transformer, a sensitive relay and a trip release.

RCCB constantly monitors the vector sum of currents passing through all the conductors.

In normal condition, the vectorial sum of currents is zero ( $I_1 + I_2 = 0$ ). But during abnormal condition/ earth fault, the vectorial sum is not equal to zero. ( $I_1 + I_2 = \delta$ ). This, thus actuate the relay and hence release the contacts and opens/ trips the RCCB.

Uno Plus RCCB is a True current operated device and is independent of line voltage. In this type of RCCB, the secondary coil of core balance transformer (CBCT) operates sensing relay and thus opening the mechanism, independent of line voltage.

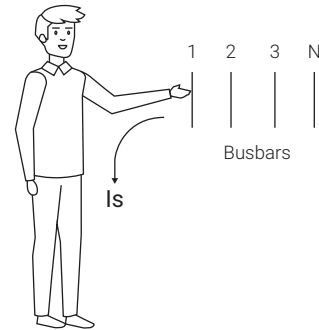


## Protection Against Direct & Indirect Current

### Protection Against Direct Contact

Accidental contact with live parts of electric appliances cause earth leakage current to flow through the human body resulting in shocks that may be fatal. RCCB trips immediately under these circumstances and saves human lives. For e.g. when someone makes contact with a live electrical component of a device, touches a live bus bar in distribution panel or unprotected test cables or when a person sticks a metal object into a power socket or touches a live cable.

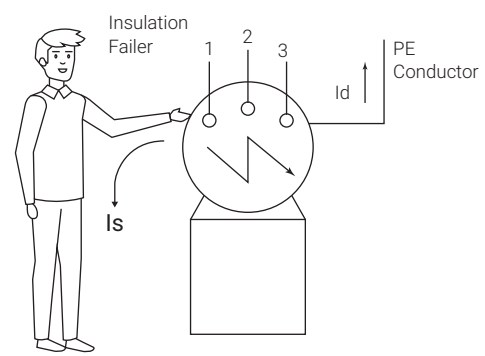
### Direct Contact



### Protection Against Indirect Contact

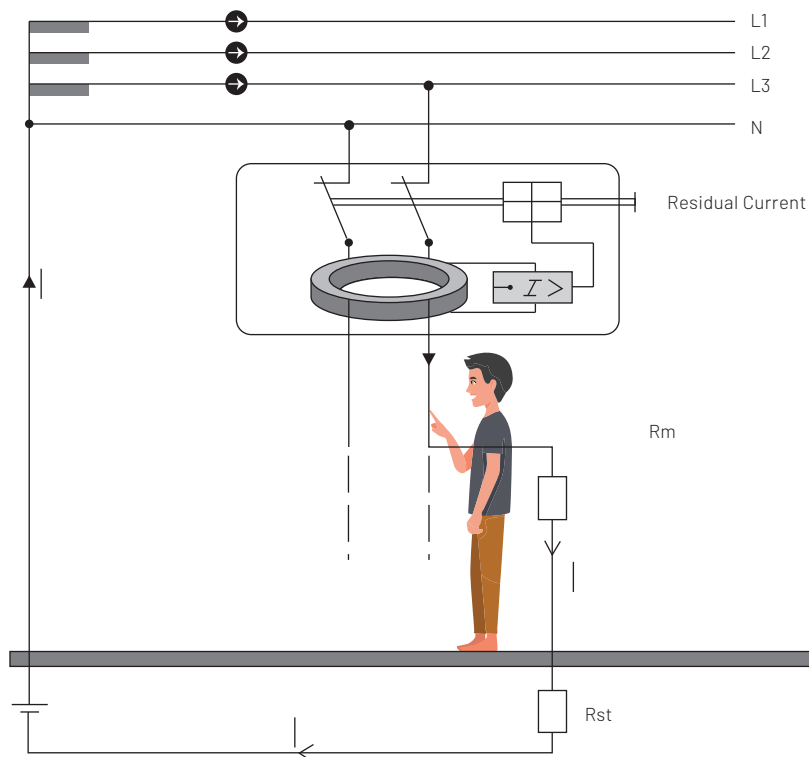
The metal enclosures of electric appliances can become live and cause electric shock to unwary persons touching them during an internal fault or insulation failure. RCCB trips instantaneously and thus removes the possible risk from dangerous indirect contact. Indirect contacts are independent of humans, such as a person touching an electric metal frame. This is when a person makes contact with a metal earthed part which has accidentally been powered up following an insulation fault. These type of contacts are very dangerous.

### Indirect Contact



$I_s$  : Touch Current

$I_d$  : Insulation Fault Current





## Technical Specifications

FEATURES	UNO PLUS RCCB
Standard	IS 12640-1 :2016 / IEC 61008-1 :2012
Rated Current	25,32,40,63A
Poles	DP, FP
Rated Voltage	DP: AC 240V, FP: AC 240/415V
Rated Frequency	50Hz
Sensitivity	30, 100, 300mA
Rated Insulation Voltage	440Vac
Dielectric Strength	2500V
Rated Conditional Short Circuit (Icn)	10kA for DP and 6kA for FP
Contact Position Indicator	Yes
Bi-connect Termination	Yes
Type	AC
Terminal Capacity	35mm <sup>2</sup>
Protection	IP20
Dimensions(W x H x D) 2P	36 x 81 x 66 (mm)
Dimensions(W x H x D) 4P	72 x 81 x 66 (mm)

### DP RCCB



Product Code	Description	Unit Sale Price Rs. per number	Standard Packing Quantity (Number)	Maximum Retail Price of Standard Packing (Inclusive of all taxes) Rs.	Units in Master Packing (Number) Wholesale Pack
98901	25A DP 30mA UNO PLUS RCCB	3010	5	15050	30
98902	25A DP 100mA UNO PLUS RCCB	2950	5	14750	30
98903	25A DP 300mA UNO PLUS RCCB	2950	5	14750	30
98904	32A DP 30mA UNO PLUS RCCB	3010	5	15050	30
98905	32A DP 100mA UNO PLUS RCCB	2950	5	14750	30
98906	32A DP 300mA UNO PLUS RCCB	2950	5	14750	30
98907	40A DP 30mA UNO PLUS RCCB	3080	5	15400	30
98908	40A DP 100mA UNO PLUS RCCB	3045	5	15225	30
98909	40A DP 300mA UNO PLUS RCCB	3045	5	15225	30
98910	63A DP 30mA UNO PLUS RCCB	4200	5	21000	30
98911	63A DP 100mA UNO PLUS RCCB	4100	5	20500	30
98912	63A DP 300mA UNO PLUS RCCB	4100	5	20500	30

### FP RCCB



98913	25A FP 30mA UNO PLUS RCCB	3850	4	15400	16
98914	25A FP 100mA UNO PLUS RCCB	3750	4	15000	16
98915	25A FP 300mA UNO PLUS RCCB	3750	4	15000	16
98916	32A FP 30mA UNO PLUS RCCB	3850	4	15400	16
98917	32A FP 100mA UNO PLUS RCCB	3750	4	15000	16
98918	32A FP 300mA UNO PLUS RCCB	3750	4	15000	16
98919	40A FP 30mA UNO PLUS RCCB	3890	4	15560	16
98920	40A FP 100mA UNO PLUS RCCB	3775	4	15100	16
98921	40A FP 300mA UNO PLUS RCCB	3775	4	15100	16
98922	63A FP 30mA UNO PLUS RCCB	4290	4	17160	16
98923	63A FP 100mA UNO PLUS RCCB	4285	4	17140	16
98924	63A FP 300mA UNO PLUS RCCB	4285	4	17140	16



## Distribution Boards (DB)

UNO Plus Distribution Boards have designed to provide a new dimension of protection in Homes, Offices and Industries. It is equipped with stylish color, elegant curves and distinctive finish that blend with all kinds of interior décor.

UNO Plus Distribution Boards thus offer dual benefits of Flexibility and Safety, enabling safe and efficient distribution of electrical power.

These boards undergo a seven-tank phosphate pre-treatment process to ensure anti-rust conditioning, superior finish and lasting strength. Post this process, premium quality powder coating is applied using the state-of-the-art techniques. These boards are also equipped with top and bottom removable gland plates with a number of knockouts. One can thus install them either flush or wall mounted.



### Key Features

- Reversible Door
- Detachable Gland Plates
- IK 09 Protection
- Door Earthing
- Removable Front Door
- RAL 9003 texture
- Integrated Frame Design
- Front Plate Studs
- Cement Spill Protector
- IP43 & IP54 protection

### Salient Features - Unique Design Feature



#### Pan Assembly

This concept facilitates detaching of the Chassis from the DB and the required wiring for the circuit protection device can be done at a comfortable location.

Benefits:

- Easy and comfortable installation of the internal wiring.
- Reduces the installation time and cost.



#### Reversible Door

By simply shifting the hinge assembly from left to right the opening of the door can be interchanged depending on the location of the installation.

Benefits:

- Unique flexibility as per customer convenience at the time of installation.



#### Cement Spill Protector

The Cement Spill protector prevents entry of dust or cement particles inside the DB during the construction period at site.

Benefits:

- The Cement Spill protector ensures zero infiltration of dust or cement particles inside the DB.
- The portable damage of the door is avoided.



#### Protected Neutral Bar on Pan Assembly

- Neutral bar is covered with shrouded for safety.
- Neutral bar placed on pan assembly for ease of wiring.



#### Door Earthing

Door earthing makes the DB totally shock proof.

Benefits:

- Highly shock-proof.



#### Integrated Frame Design

UNO Plus DB has a unique feature of the frame integrated into the BOX.

Benefits:

- Decrease in number of sub-assemblies, additional space for cables.



#### Detachable Gland Plates



With Bigger knockouts Gland Plates at top & bottom are removable.

Benefits:

- Easy entry & termination of cables.

## Technical Specifications

FEATURES	UNO PLUS DISTRIBUTION BOARDS
DB reference Standard	IEC 61439-3-2012
No of Ways	4, 6, 8, 12, 16 way SPN DD, 4+12, 8+12, 8+16, 8+24, 8+36 way TPN DD
Type of Installation	Flush/ Surface
Colour/ Finish	RAL 9003 Texture
Door Locking Options	Sliding Type
Removable Gland Plate	Rectangular Cut out
Protection Level of Distribution Board	Gasket Provision
Distribution Technique	100A Copper Insulated Bus-bar
Bus-bar Rating	63A
Incoming	Max 63A
Outgoing	Max Individual 63A
Voltage Rating	240/415V~
Main Incoming Option	MCB or RCCB or ISOLATOR
Box Sheet Thickness	1 mm
Neutral Bar Terminal Capacity	25 sqmm
Earthing Bar Terminal Capacity	25 sqmm
Protection (IP)	IP 43 / IP 54
Protection (IK)	Ik 09
Rated Insulated Voltage (Ui)	690V~
Frequency	50Hz
Dielectric Strength	2.5KV
Ambient Temperature	-5°C to 40°C

	Product Code	Description	Unit Sale Price Rs. per number	Standard Packing Quantity (Number)	Maximum Retail Price of Standard Packing (Inclusive of all taxes) Rs.	
	98951	4 WAY SPN DD IP43 DB	1939	1	1939	
	98952	6 WAY SPN DD IP43 DB	2177	1	2177	
	98953	8 WAY SPN DD IP43 DB	2371	1	2371	
	98954	12 WAY SPN DD IP43 DB	2884	1	2884	
	98955	16 WAY SPN DD IP43 DB	3845	1	3845	
	98961	4 WAY SPN DD IP54 DB	5595	1	5595	
	98962	6 WAY SPN DD IP54 DB	6124	1	6124	
	98963	8 WAY SPN DD IP54 DB	6459	1	6459	
	98964	12 WAY SPN DD IP54 DB	7350	1	7350	
	98965	16 WAY SPN DD IP54 DB	8063	1	8063	
		98956	4 way TPN 4+12 (4P Incomer) DD IP43 DB	4374	1	4374
		98957	4 way TPN 8+12 (8P Incomer) DD IP43 DB	4752	1	4752
		98958	6 way TPN 8+18 DD IP43 DB	5994	1	5994
		98959	8 way TPN 8+24 DD IP43 DB	7776	1	7776
		98960	12 way TPN 8+36 DD IP43 DB	11060	1	11060
98966		4 way TPN 4+12 (4P Incomer) DD IP54 DB	12291	1	12291	
98967		4 way TPN 8+12 (8P Incomer) DD IP54 DB	12906	1	12906	
98968		6 way TPN 8+18 DD IP54 DB	15390	1	15390	
98969		8 way TPN 8+24 DD IP54 DB	17696	1	17696	
98970		12 way TPN 8+36 DD IP54 DB	24862	1	24862	

### Term & Conditions:

● Price are INR. ● All prices are subject to the general terms & conditions of our business. ● MRP are maximum recommended selling prices including GST. ● Prices are subject to change without prior notice. ● This price list supersedes all our previous price lists. ● If any dispute should arise it will be subject to Mumbai Jurisdiction. ● Company reserve the right to issue amendment which may arise due to any errors in the price list. ● \* 7 Years Warranty of Uno Plus MCB from the Date of Manufacture.

Due to continuous improvements in product design and development and manufacturing methods, the product may differ in some respects from the details provided herein. Current details should therefore be checked with the Company.



**PANASONIC LIFE SOLUTIONS INDIA PVT LTD.**

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