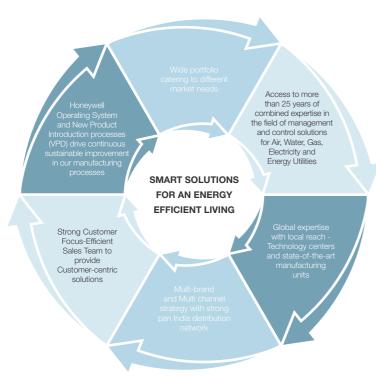
Brand Promise

We are building a world that's safer and more secure...

More comfortable and energy efficient...

More innovative and productive...

We are Honeywell. ""



Honeywell Environmental and Combustion Controls

Honeywell Electrical Devices and Systems India Limited

Chennai: 3rd & 4th Floor, 57, 59, 61 & 63 Dowlath Towers, Taylors Road, Kilpauk, Chennai - 600 010, India Tel: +91-44-66085600 E-mail: eccteamindia@honeywell.com; eccchennai@honeywell.com Website: www.honeywell.com

Honeywell Automation India Limited

Pune: Plot No. 56/57, Hadapsar Industrial Estate, Pune - 411 013, India Tel: +91-20-66039400 Fax: +91-20-66039800 E-mail: eccpune@honeywell.com

BANGALORE

3rd Floor, Chambers @ Mantri Municipal No. 10 Richmond Road Bangalore - 560 025 **Tel:** +91-80-67124120/21/22/23 E-mail: eccbangalore@honeywell.com

HYDERABAD 8-2-418, Krishnama House 3rd Floor, Road No. 7 Baniara Hills Hyderabad - 500 034 **Tel:** +91-40-66030900/70 Fax: +91-40-66030971 E-mail: ecchyderabad@honeywell.com

BARODA 2nd Floor, Startrek

Opp. Rajlakshmi Complex Old Padra Road, Baroda - 390 005 **Tel:** +91-265-6699600 Fax: +91-265-6699610 E-mail: eccbaroda@honeywell.com

KOLKATA

Srijan Techpark 8th Floor, DN-52 Salt Lake, Sector-V Kolkata - 700 091 **Tel:** +91-33-66283693/94 Fax: +91-33-66283701 E-mail: ecckolkata@honeywell.com

41/2553, 2-A 2nd Floor, Metro Palace Opp. Town Rail Way Station Cochin - 682 018 **Tel:** +91-484-2394379/4044830

GURGAON

Unitech Trade Center 5th Floor, Sector 43, Block C

E-mail: eccdelhi@honeywell.com

Tel: +91-124-4975050

Fax: +91-124-6715014

Sushant Lok, Phase 1, Gurgaon - 122 022

Fax: +91-484-2394732 E-mail: ecckochi@honeywell.com

MUMBAI

Eco-elite Building, 2nd Floor Marol Maroshi Road, Marol Next to Zakaria Industrial Estate Andheri (E), Mumbai - 400 059 Tel: +91-22-67650680/81 Fax: +91-22-67650682 E-mail: eccmumbai@honeywell.com

Customer Care Number - 1800 103 3848

Honeywell

easy. smart. forever.

Honeywell



Sentry

MCB | Isolator | RCCB | Distribution Boards







contents

Distribution Boards

SKU Chart

Residual Current Circuit Breaker





Company Introduction

Honeywell Environmental and Combustion Controls, India



Environmental and Combustion Controls (ECC), India, is part of Honeywell's global Automation and Control Solutions business. ECC is a \$2.4 billion global business with installations in more than 150 million homes, 10 million buildings and a multitude of manufacturing plants around the world.

ECC offers integrated product solutions for various residential, commercial and industrial applications ranging from HVAC Solutions, Water Controls, Wiring Devices, Cable Management, Circuit Protection Devices, Lighting Controls, Building Control Solutions and Commercial & Industrial Combustion. As part of its global operations, all ECC brands share the same commitment towards innovation, quality, safety and customer service. Brands that operate under ECC in India are MK, Trend, Alerton, Webs-AX[™], Phoenix Controls, Saia Burgess, INNCOM and Maxon. ECC has over nine sales offices across the country, three state-of-the-art manufacturing units in Chennai, Dehradun, and Vadodara, and an extensive pan-India

Certifications and Awards

distribution network. With its 'Customer First' approach, ECC is committed to making life easy and convenient, safer and more secure, more comfortable and energy efficient, with its smart products and solutions.

Manufacturing Excellence is a hallmark of ECC built on the foundations of Six Sigma. The manufacturing facilities operate on the robust Honeywell Operating Systems that help in continuous sustainable improvement in the manufacturing process and set benchmark in innovation, technical expertise, quality and delivery.

Dehradun: The state-of-the-art manufacturing unit in Dehradun was commissioned to meet the increasing market and customer demands for our products in domestic market. The plant is equipped with the latest Automatic Test Assembly, Certified Test Centres and is backed by a strong production and logistics team to ensure quality and on-time product delivery.

easy.

Bi-connect upper and lower

abel Holder

rue contact position indicato Green / Red' Flag smart.

Unique Mid-trip position of knob

Instantaneous switching

Flat locking bar in screw terminal

Sentry

MCB | Isolator | RCCB | Distribution Boards

Range Introduction

MK Sentry is a comprehensive range of MCB, RCCB, Isolators and Distribution Boards, that meets the electrical distribution & protection requirement for Homes, Offices and commercial installations. The range complies with the latest IEC/IS standards and is fully RoHS compliant, reinforcing Honeywell's commitment to environmental protection. Sentry distribution boards look aesthetically good on the wall and the pleasant colour matches any kind of décor.

forever.

Compliance to IEC/IS

Current limiting design

RoHS Compliant

ISO 14001 and OHSAS 18001 ISO 9001:2000 TERI National Award for Corporate leadership and sustainable initiatives in 2003 - Chennai plant 5S Excellence Award in 2011, 2012 - Chennai plant CII EHS Award in 2012, 2013 for Excellence in Environment, Health and Safety - Chennai Plant Gold Award for Manufacturing Excellence - 2011 awarded by Frost & Sullivan, Economic Times



All in One Sentry Miniature Circuit Breaker

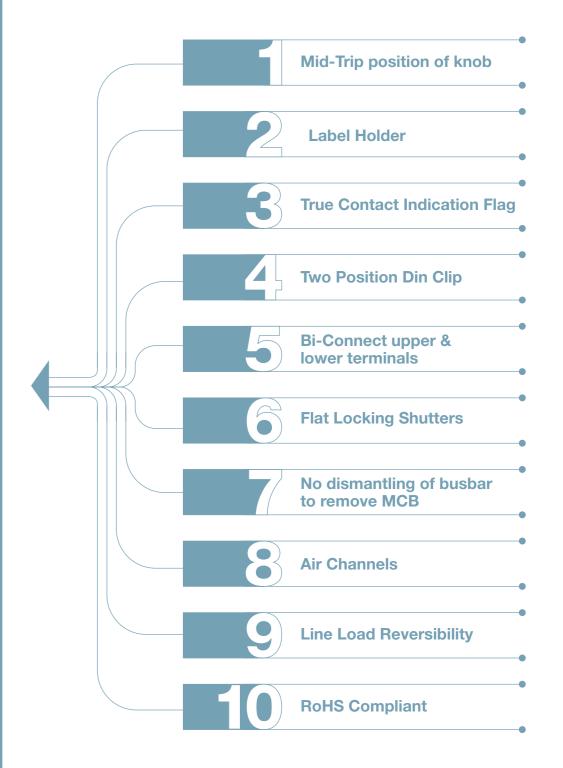
Sentry MCB the most power packed MCB in the market.

MK has always put the customer first, we understand, for your multiple needs you look for suitable solution but most of the time one has to compromise. Not anymore!

Sentry MCB combines all the solution for your requirement in one package. That is why you would like to call it "All in One MCB".

AIR CHANNELS M MID-TRIP
LINE LOAD REVERSIBILITY
NO DISMANTLING OF BUSBAR TO REMOVE MCB







				by Honeyweii
Mid-trip Position of knob	Label Holder	No dismantling of busbar to remove MCB	Line-load Reversibility	Shutter
Knob: OFF Flag: Green Flag: Red Flag: Green Conclusion: Trip in case of fault			Line Load Line Load Line Load Line	
Mid-trip 3-position of Knob: OFF, ON & MID	In-built Label holder for circuit identification	No dismantling of busbar to remove MCB	Line-load Reversibility	Flat Locking Shutter
Multiple MCB are installed in a DB & maintenance person may not know which MCB is actually Off & which is tripped on fault. One may accidentally switch On the wrong/faulty circuit, which could be dangerous. Sentry Benefit: In case of fault, MCB trips & knob takes Mid position. Just by looking at MCB one would know which circuit is faulty. Therefore, fault diagnosis is fast & safe. Red/Green flag is a clear, visual indication of contact status inside.	In case of multiple circuits with same rating of MCB, naming the circuits is essential for easy identification. One needs a proper space to write the same. Sentry Benefit: Integrated label holder is provided with a hinged transparent cover. Label can be inserted in this space & cover locks down firmly to keep in place. Label Holder Size: 15.2mm x 6.4 mm (LxB)	To replace single MCB from a shorting busbar, one has to dismantle complete busbar. It disconnects supply of all circuits & takes more time. Sentry Benefit: The unique mounting assembly ensures single MCB can be easily removed from shorting busbar. This helps to maintain supply in healthy circuits & save time.	Many times, supply wires are coming from upper side. If Line-Load terminals are fixed, then wiring must be routed to suit that. Sentry Benefit: Incoming supply can be connected to both upper or lower side & load to opposite side, without any compromise on breaking capacity or isolation. For total flexibility of wiring, both wire connection & busbar shorting of MCB row is provided on upper as well as lower side terminals.	When MCB is mounted on DIN rail Inside the DB, one cannot 'see' the terminal box while wiring. As the screw is tightened & the box closes, wireman needs to ensure proper wire entry within connection area Sentry Benefit: The safety shutter covers the gap behind the box to eliminate chances of wrong entry of wire, thereby making it easier for wireman. Further, serrated surface ensures better wire grip

Miniature Circuit Breaker



Detailer Construction



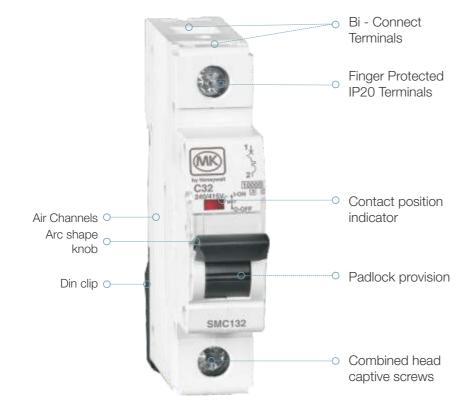
Accessories Fitment Window



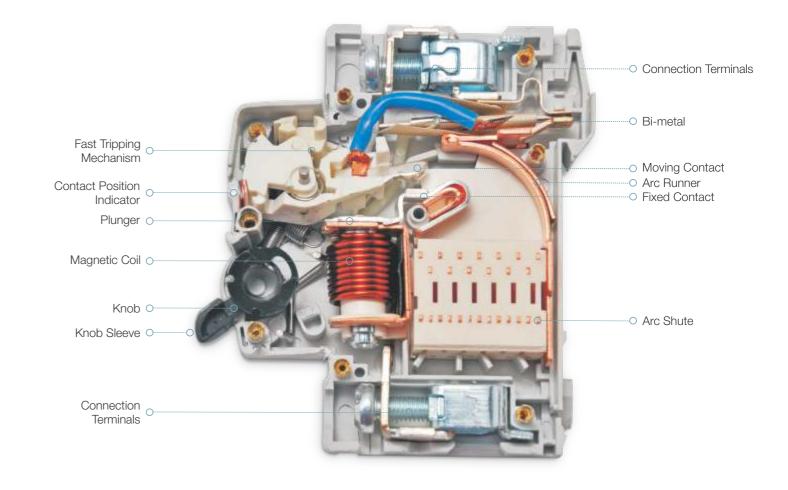
Two Position Din Clip











Overload Protection

Overload protection is achieved by Thermal tripping of the device. When a current higher than the rated current passes through the device, the bimetal strips get heated and bends to trip the lever which separates the moving contacts from the fixed contact. Thus preventing the circuit from overload.

Short Circuit Protection

Short-circuit protection is achieved by Magnetic tripping of the device When a short circuit occurs, the magneto motive force induced by the magnetic coil causes the plunger to hit the latch. A little displacement of latch causes, release of the spring and separate the moving contact to open the MCB.

by Honeywell

Miniature Circuit Breaker

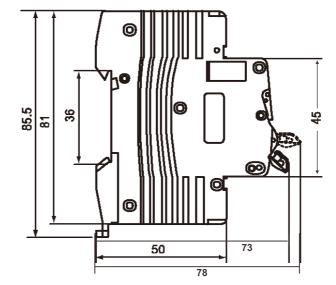
Elegant appearance, arc shaped knob make comfortable operation

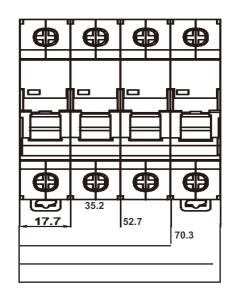
Self-extinguishing thermoplastic body material

- Trip free mechanism-MCB trips even if knob is locked in ON position
- O--- Ideal for isolated mounting
- O—Silver alloy, anti-welding contacts
- High-speed switch off in case of short circuit-trip time less than that of cycle
- O-Simultaneous switching of multi-modules
- O---- Low watt loss

Features

- O--- Serration on terminal ensure better grip
- Combined screw head for standard and pozidrive screw driver
- O--- Captive screw terminal





MIK 2/ 10000 CG32 100000 POOFF

Function

IS/IEC 60898-1:2002

A Miniature Circuit Breaker trips in case of an overload or short circuit fault in the electrical circuit and protects the installation.

Technical Specifications

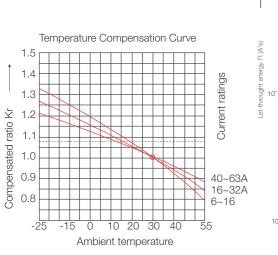
- O--- No. of Pole: 1, 2, 3, 3P+N, 4
- O--- Tripping curve: C
- O----- Rated current I_e (A):6, 10, 16, 20, 25, 32, 40, 50, 63
- Ome Rated voltage: AC 240V/415V,~50Hz
- O---- Rated impulse withstand voltage U_{imp}: 4kV
- Omman Rated short-circuit capacity (Icn): 10kA
- Rated service short-circuit breaking capacity (I_{ss}): 7.5kA
- Rated insulation voltage U_i: 500V
- Energy limiting class: 3
- Ambient Operating Temperature 5 to 40 degree Celsius
- Fastening torque: 2.0Nm
- IP Protection: 20, Finger proof terminal
- Altitude above sea level less than 2000m
- Electro Mechanical Endurance 20000 upto 25A, 10000 upto 32 63A
- Connection terminal size:
- 35 mm² cross section terminals for solid conductors
- 25 mm² for stranded conductors
- Fork or pin type bus bar connection

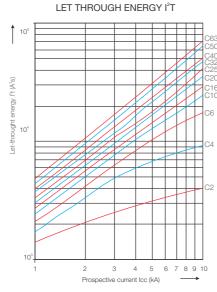


MCB Accessories

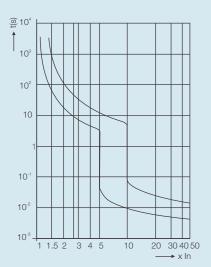
12

Technical Data





	Watt	Loss Table
Rating	Watt Loss Observed	Max Permissible Watt Loss in Standard (IEC 60898-1:2002)
C6A	1.66	3
C10A	1.3	3
C16A	1.95	3.5
C20A	2.28	4.5
C25A	2.06	4.5
C32A	3.17	7.5
C40A	4	7.5
C50A	3.75	9
C63A	5.55	13
0	l	I



Voltage across contacts

during opening of MCB

Cut-off

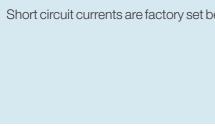
Maximum Prospective

'C' Characteristics

'C' characteristic MCBs are used for protection of electrical circuits with inductive loads like Air conditioner, Refrigerator, Compressor etc, apart from protection of cables & line protection.

This characteristic allows loads with peak current without requiring the MCBs to be oversized, in fact it is possible to apply loads with peak currents up to 5 times of rated current & hence can be used for handling higher inrush current applications.

Short circuit currents are factory set between 5 In and 10 In



Current Limitation Curve

The current limiting Curve design of the circuit breaker ensures short circuit fault clearance in less than half cycle.

The figure shows the current limiting effect of circuit breakers.

0 = Point of Initiation

tx = Contact opening time (i.e. creation of arc)

t1 = Current / Voltage peak (i.e., current limitation)

t2 = Time to total extinction of arc

(i.e., complete shutdown of fault current)







Auxiliary Contact

- Contact capacity:
- O----- AC:Un=240V In=6A
- O--- Dielectric strength: 2kV/1min
- Electro-mechanical endurance: >5000
- O- Mounted on the left side of the MCB indicating "ON", "OFF" status of combined unit.
- O— Terminal Connection Height: H1=31mm H2=16mm H3=1.3m

Shunt Tripper

- Rated insulating voltage (Ui): 500V
- Contact Rating: AC 230V, 6A
- Operate voltage range: 70-100% Us
- O Dielectric strength: 2kV/1min
- Electro-mechanical endurance: > 4000
- O-Mounting on the right side of MCB, used to trip the combined MCB by remote controlling device
- Terminal Connection Height: 19mm

Over-voltage/Under-voltage Release

- Rated voltage (Ue): AC 230V
- O-Rated insulating voltage (Ui): 500V
- Over-voltage tripping range: 280V ± 5%
- O— Under-voltage tripping range: 170V ± 5%
- Electro-mechanical endurance: > 4000
- O Mounted on the right side of circuit breaker, actuate the combined device to trip in case of under-voltage or over-voltage. It prevent the device from closing operation under abnormal power voltage condition.

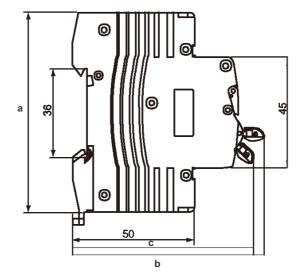


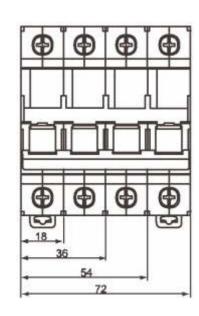
Isolator

Features

- O--- Used as main switch for household and similar installation
- Suitable for switching lightly inductive loadsSelf-extinguishing thermoplastic body material
- O-Generous terminal capacity
- O--- High short-circuit current withstand capacity
- Positive contact position indicates the real contact position with Red and Green indication
- O---- High endurance
- O-Contacts and terminals features inline with MCB

IS13947-3/IEC60947-3





SI240

Function

Isolator is capable of making and breaking circuit with resistive or lightly inductive load and provide complete isolation downstream.

Technical Specifications

o---- Pole No.: 2,4

O---- Rated current(A): I_e 40, 63, 100, 125

O—Rated voltage: 230/415V AC, ~50Hz

O-Rated short-circuit making capacity: 6kA

Ome Rated withstand current: 1kA within 1sec

O Electro-mechanical endurance: 10000 cycles

O---- Utilisation Category: AC22

O--- Connection terminals: 40 - 63A 35 mm², 100 - 125A 50 mm²

O---- Fork or pin type bus bar connection

Dimensions

Rating	а	b	С
40-63A	81	78	73.5
100-125A	90	78.5	74



Residual Current Circuit Breaker

Detailer



Captive Screw





Contact Position Indicator









- Automatically disconnects the circuit when earth leakage current occurs and exceeds the rated sensitivity
- O Independent of line voltage and voltage fluctuation
- O---- Push to Test button
- High short-circuit current withstand capacity
- Positive contact position indicates the real contact position with Red and Green indication
- O--- Terminal height fully aligned with MCB terminal
- o Label holder to place circuit identification tag
- O-Label Holder Size: 23.3 x 6.4 in mm (L x B)
- 30 mA-provides protection against electric shock due to direct contact to the line parts
- 100 mA-provides protection against electric shock due to indirect contact and ground current leakage
- 300 mA-provides protection against insulation faults/leakage in building, which may lead to fire



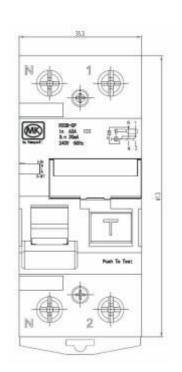




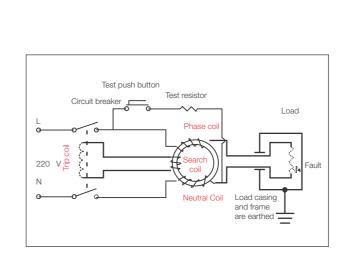
Residual Current Circuit Breaker

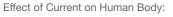
by Honeywell

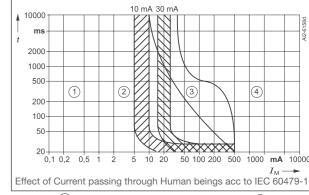
IS 12640(Part1):2008/IEC 61008-1:1996



Operating Principle of RCCB







Range ①
Usually, the effect is not perceived.

Range ②
Usually, there are no noxious effects.

Range ③
Usually, no danger

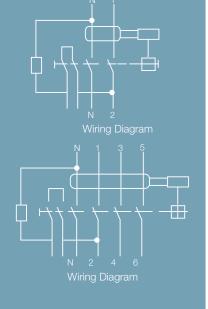
Range 4
Heart fibrillation danger.

n I_{M}

 I_{M} : Shock current t: Duration

Function

RCCB detects the residual current in the circuit and isolate the circuit from the fault, when the values exceeds set limit.

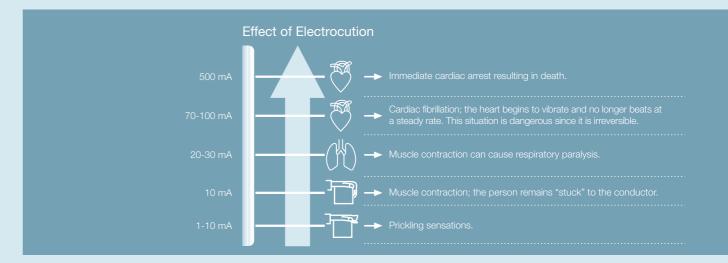


Technical Specifications

- O---- Mode: electro-magnetic type
- O---- Residual current characteristics: Class AC
- O---- Pole No.: 2, 4
- O----- Rated current (A): 25, 40, 63
- ---- Rated voltage: 240/415V AC, ~50Hz
- O---- Impulse with stand voltage Uimp: 2.5kV
- O-Rated making and breaking capacity: 630A
- Omega Rated residual operating current In(A): 0.03, 0.1, 0.3
- Ome Rated residual non operating current In(A): 0.05 In
- Om Rated conditional short-circuit current Inc: 10kA
- Orange Tripping duration: instantaneous tripping 0.1s
- O-Residual tripping current range: 0.5 lrn-1 lrn
- Om Minimum operating voltage for Test button: 85% Ue
- O--- Connection terminals size: 25 mm²

RCCB Operations

RCCB works on the principle of Kirchhoff's, that in an electrical circuit the incoming current is the equal to the out going current. RCCB consist of a core balance transformer having primary and secondary windings and a sensitive relay for instantaneous detection of fault signal. The primary winding lies in series with the supply mains and load. Secondary winding is connected to a very sensitive relay. In a no fault scenario, the magnetized effects of the current carrying conductors cancel each other out, thus there is no residual magnetic field that could induce a voltage in the secondary windings. During the flow of leakage current in the circuit an imbalance is created in the circuit which gives rise to leakage flux in the core. This leakage flux generates and electrical signal that is sensed by the relay and it trips the mechanism thereby disconnecting the supply. When pressing the TEST push button 'T', a fault is simulated via the test resistance & RCCB trips.



Distribution Boards



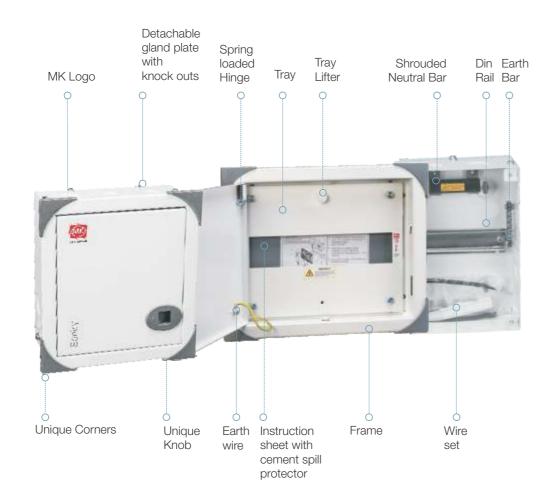
Detailer Features













Technical Specifications

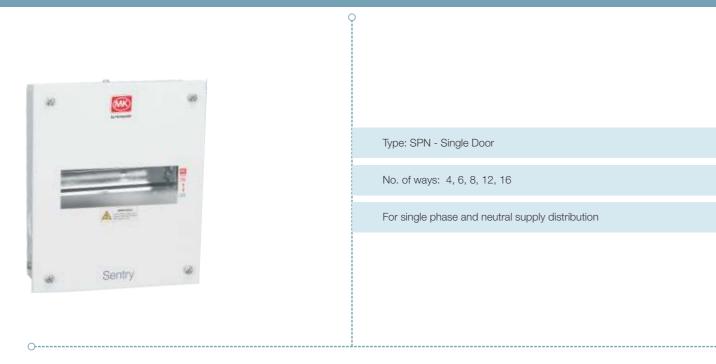
- 0---- Standard IS 8623
- Omingress Protection:
 IP30: Single Door
- O Material: CRCA sheet steel
- ^{O.....} Colour: BAI 9003
- Surface Finish:
 Satin Matte Finish
- O---- Mounting:
 Surface / Flush mountin
- O---- RoHS Compliant

Features

- O--- Wide range of DB's suitable for all application
- O---- Unique designer Aesthetics:
 - Unique knobs
 - Rounded corners
 - O---- Pearl white finish
- $\bigcirc -- \mathsf{Range:} \, \mathsf{Utility} \, \mathsf{DB}, \mathsf{application} \, \mathsf{DB}, \mathsf{metal} \, \mathsf{enclosures} \, \mathsf{and} \, \mathsf{P\&S} \, \mathsf{box} \,$
- 0—80Amps Tin plated insulated copper bus bar with end caps
- Colour coded wire set with copper lugs
- O— Cement spill protection in double door Db's
- O-Reversible door through spring loaded hinge
- O---- Adjustable din rail and mounting holes
- O Box insertion marking level for inserting in the wall and plastering
- Ome Removable gland plates with knock outs
- o- Earth marking
- O--- Conduit holding strip
- O-Shrouded neutral bar
- O--- Brass earth bar



SPN Single Door SPN Double Door

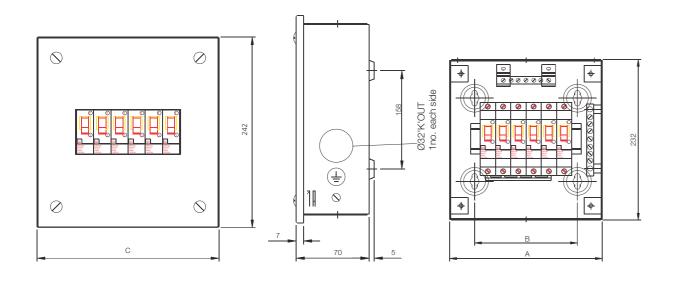




Type: SPN Double Door - Metallic, Acrylic Door

No. of ways: Metal Door - 4, 6, 8, 12, 16 | Acrylic Door - 4, 6, 8, 12, 16

For single phase and neutral supply distribution



	247	©32.K°OUT		227
С	7	32 92 5	B A	

				TOP & BOTTOM		
Way	А	В	С	26'K'OUT Nos.	32'K'OUT Nos.	
4	137	62	148	1	1	
6	167	92	178	1	1	
8	199	122	208	1	2	
12	267	192	278	2	2	
16	347	272	358	3	2	

				TOP & BOTTOM	
Way	А	В	С	26'K'OUT Nos.	32'K'OUT Nos.
4	147	72	167	1	1
6	172	97	192	1	1
8	207	132	227	1	2
12	282	207	302	2	2
16	362	287	382	3	2



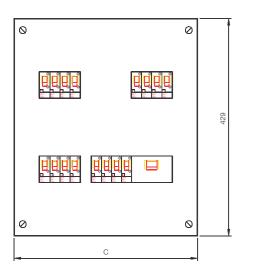


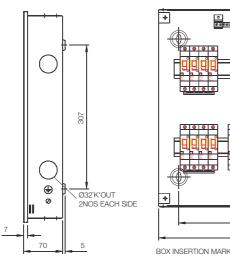


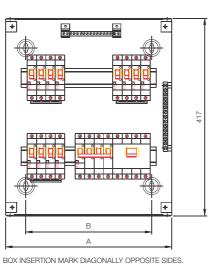
Type: TPN - Single Door

No. of ways: 4,6, 8,12

For three phase and neutral supply distribution

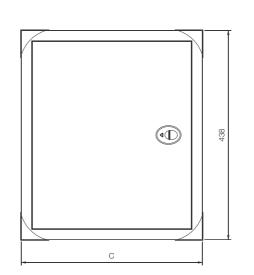


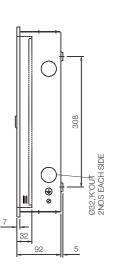


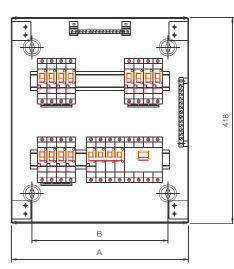












					IOP & B	OTTOM	
	Way	А	В	С	25'K'OUT Nos.	32'K'OUT Nos.	I/C
Ī	4	272	192	283	2	2	4 POLE
	4	332	252	343	3	2	
	6	372	292	383	4	2	0.001.5
	8	417	337	428	4	2	8 POLE
	12	557	477	568	7	2	

				TOP & BO		
Way	А	В	С	25'K'OUT Nos.	32'K'OUT Nos.	I/C
4	258	183	298	2	2	4 POLE
4	327	252	347	3	2	
6	367	292	387	4	2	0.001.5
8	445	370	465	5	2	8 POLE
12	625	550	645	8	2	



Flexi Tier Per Phase Isolation Vertical

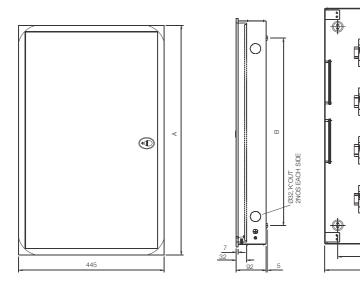


Type: Flexi Tier - Double Door

No. of ways: 14

No. of rows: 2,3,4

Row DB's for flexibility of mounting incoming and outgoing as per insulation required

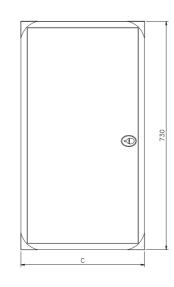


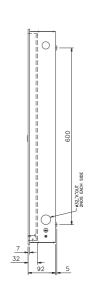


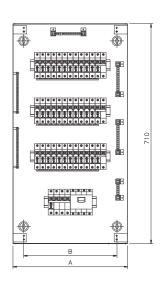
Type: PPI Double Door - Vertical

No. of ways: 6,8,12

For distribution of three phase and neutral load with individual phase distribution







				TOP & BOTTOM		
Way	А	В	С	25'K'OUT Nos.	32'K'OUT Nos.	
2 Row - 14 Module	420	290	400	5	2	
3 Row - 14 Module	560	430	540	5	2	
4 Row - 14 Module	730	600	710	5	2	

				TOP	K' OUT	BOTTO	и 'K' OUT	
Way	А	В	С	25'K'OUT Nos.	Æ32'K'OUT Nos.	25'K'OUT Nos.	32'K'OUT Nos.	I/C
6 + 2	302	228	322	2	2	2	3	
8 + 2	338	263	358	3	2	3	3	8 POLE
12 + 2	418	343	438	4	2	4	3	

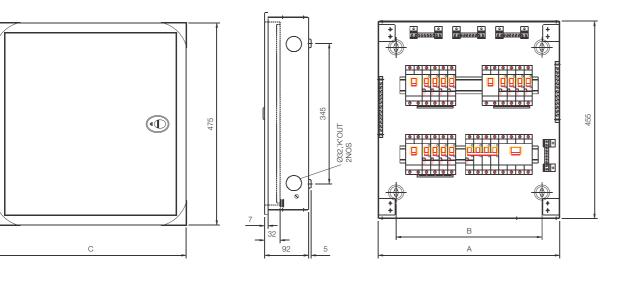


Per Phase Isolation Horizontal

Type: PPI Double Door - Horizontal

No. of ways: 4,6, 8,12

For distribution of three phase and neutral load with individual phase



8-Segment

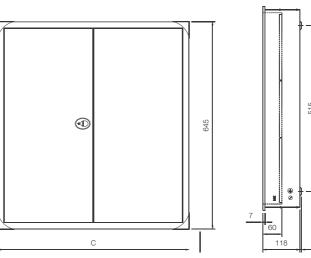


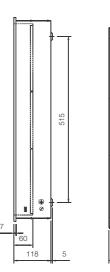
Type: 8 Segment - Double Door

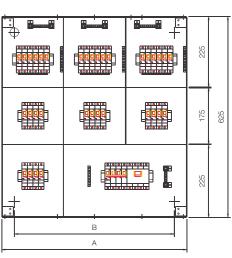
No. of ways: 4,6,8,12

Compartmentalized design for full segregation of incoming and outgoing of three phase neutral distribution

Incoming 8 modules separate compartment for mounting auto-changovers / accessories







TOP & BOTTOM

Way	А	В	С	25'K'OUT Nos.	32'K'OUT Nos.	I/C
4 + 2	377	302	397	3	2	
6 + 2	472	397	492	5	2	0 DOLE
8 + 2	542	462	562	6	2	8 POLE
12 + 2	677	602	697	9	2	

TOP & BOTTOM
TOT W DOTTOM

Way	А	В	С	25'K'OUT Nos.	32'K'OUT Nos.	I/C	SUB I/C
4	405	325	425	6	1		
6	515	435	535	6	1	8 POLE	4 POLE
8	625	545	645	9	1	6 POLE	4 POLE
12	840	760	860	12	1		



Phase Selector - Single Door

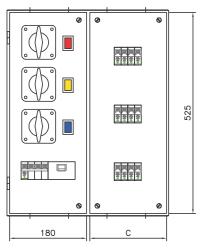


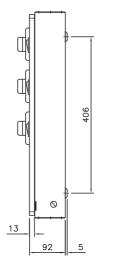
Type: Phase Selector - Single Door

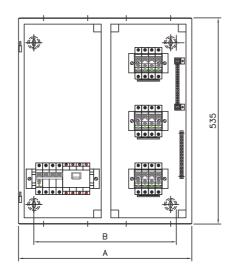
No. of ways: 40A: SD 4, 6

No. of ways 63A: SD 6, 8, 12

In-built selection switches for phase selection in three phase and neutral distribution







Phase Selector - Double Door

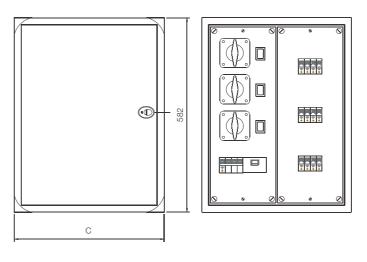


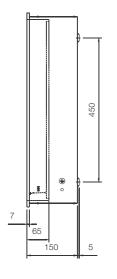
Type: Phase Selector - Double Door

No. of ways: 40A: DD 4, 6

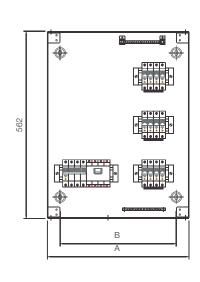
No. of ways 63A: DD 4, 6, 8, 12

In-built selection switches for phase selection in three phase and neutral distribution





Top & Bottom Side Plate



TOP & BOTTOM

Way	А	В	С	25'K'OUT Nos.	32'K'OUT Nos.	I/C
4	418	347	438	4	2	9 D∩I E
6	453	382	473	5	2	6 PULE

Way	Α	В	С	26'K'OUT Nos.	32'K'OUT Nos.	I/C
4	418	347	438	4	2	
6	453	382	473	5	2	0 DOLE
8	488	417	508	5	2	8 POLE
12	558	487	578	7	2	



VTPN Distribution Board - MCB



Type: Vertical TPN Distribution Board with in-built busbar pan assembly for SP & TP MCB outgoings and incomer option as MCB/RCCB or MCCB.

Range: 4/6/8/12W outgoing configurations
Busbar rating 125A for MCB/RCCB incomer
Busbar rating 125A & 200A for MCCB incomer

Double Door IP43 construction

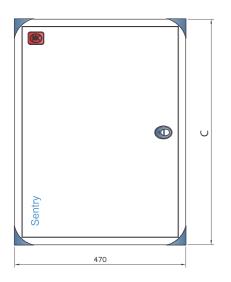
APPLICATION

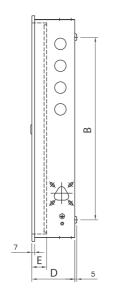
Double Door IP43 Main distribution board in residential or commercial buildings.

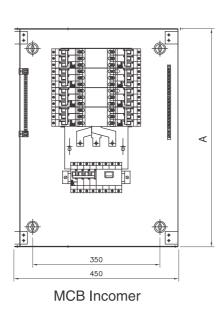
Common area load distribution.

Floor distribution board.

Lighting distribution board etc.

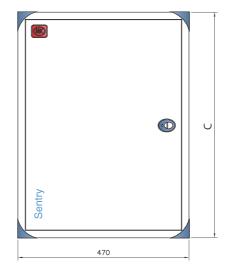


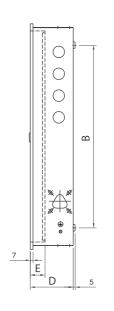


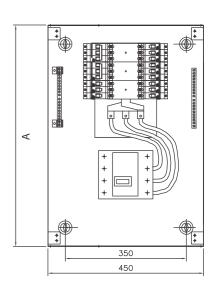


MCB	Incon	ner				TOP & BOT1	TOP & BOTTOM 'K' OUT		
Way	А	В	С	D	Е	25'K'OUT	32'K'OUT	32'K'OUT	I/C
4	505	405	520	118	40	5 NOS	2 NOS	4 NOS	
6	550	450	565	118	40	5 NOS	2 NOS	6 NOS	8 POLE
8	605	505	620	118	40	5 NOS	2 NOS	8 NOS	OTOLL
12	705	605	720	118	40	5 NOS	2 NOS	12 NOS	

VTPN Distribution Board - MCCB







MCCB Incomer

MC	CB Inc	omer 1	125A T	Р		TOP 'K' OUT		воттом 'к' оит		BOTH SIDE
Way	А	В	С	D	Е	25'K'OUT	32'K'OUT	25'K'OUT	32'K'OUT	32'K'OUT
4	530	430	550	120	40	5 NOS	2 NOS	4 NOS	3 NOS	4 NOS
6	575	475	595	120	40	5 NOS	2 NOS	4 NOS	3 NOS	6 NOS
8	630	530	650	120	40	5 NOS	2 NOS	4 NOS	3 NOS	8 NOS
12	730	630	750	120	40	5 NOS	2 NOS	4 NOS	3 NOS	12 NOS

M	CCB Inc	comer 1	125A F	Р		тор 'к	OUT	воттом	'K' OUT	BOTH SIDE
Way	/ A	В	С	D	Е	25'K'OUT	32'K'OUT	25'K'OUT	32'K'OUT	32'K'OUT
4	603	505	623	120	50	5 NOS	2 NOS	4 NOS	3 NOS	4 NOS
6	658	550	668	120	50	5 NOS	2 NOS	4 NOS	3 NOS	6 NOS
8	701	605	721	120	50	5 NOS	2 NOS	4 NOS	3 NOS	8 NOS
12	806	700	826	120	50	5 NOS	2 NOS	4 NOS	3 NOS	12 NOS

MC	CB Inc	omer 2	200/ 25	0A TP		TOP 'K	OUT	воттом	'K' OUT	BOTH SIDE
Way	А	В	С	D	Е	25'K'OUT	32'K'OUT	25'K'OUT	32'K'OUT	32'K'OUT
4	530	430	550	135	40	5 NOS	2 NOS	4 NOS	3 NOS	4 NOS
6	575	475	595	135	40	5 NOS	2 NOS	4 NOS	3 NOS	6 NOS
8	630	530	650	135	40	5 NOS	2 NOS	4 NOS	3 NOS	8 NOS
12	730	630	750	135	40	5 NOS	2 NOS	4 NOS	3 NOS	12 NOS

MC	CB Inc	omer 2	200/ 25	0A FP		TOP 'K	' OUT	воттом	'K' OUT	BOTH SIDE
Way	А	В	С	D	Е	25'K'OUT	32'K'OUT	25'K'OUT	32'K'OUT	32'K'OUT
4	603	505	623	135	50	5 NOS	2 NOS	4 NOS	3 NOS	4 NOS
6	658	550	668	135	50	5 NOS	2 NOS	4 NOS	3 NOS	6 NOS
8	701	605	721	135	50	5 NOS	2 NOS	4 NOS	3 NOS	8 NOS
12	806	700	826	135	50	5 NOS	2 NOS	4 NOS	3 NOS	12 NOS



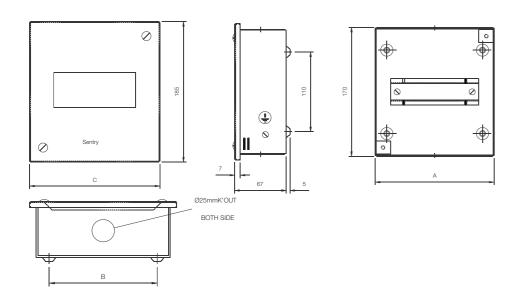
Metal Enclosures Plug & Socket



Type: Metal Enclosure - Single Door

No. of ways 2, 4, 8

Current rating 20A, 32A

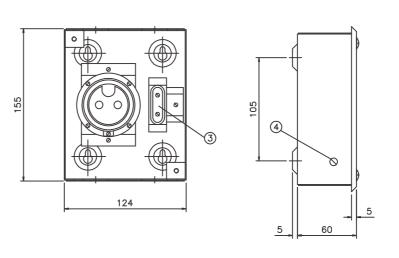


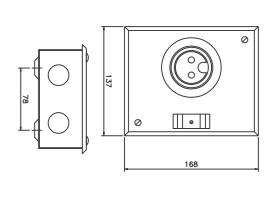
		ТОР	& BOTTOM SIDE PLATE
CODE	А	В	С
2 way encl.	85	40	100
4 way encl.	120	75	135
8 way encl.	190	145	205

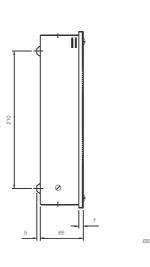


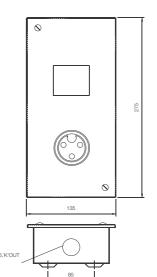
Type: Plug & Socket - Single Door

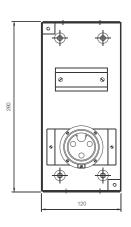
Current rating: 20A SP, 20A DP and 32A











SKU Chart

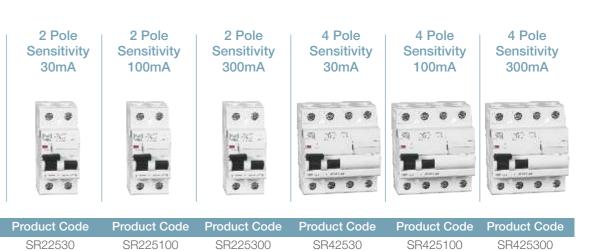


Miniature Circuit Breaker

Residual Current Circuit Breaker



Rating	Product Code				
6A	SMC 106	SMC 206	SMC 306	SMC 3N06	SMC 406
10A	SMC 110	SMC 210	SMC 310	SMC 3N10	SMC 410
16A	SMC 116	SMC 216	SMC 316	SMC 3N16	SMC 416
20A	SMC 120	SMC 220	SMC 320	SMC 3N20	SMC 420
25A	SMC 125	SMC 225	SMC 325	SMC 3N25	SMC 425
32A	SMC 132	SMC 232	SMC 332	SMC 3N32	SMC 432
40A	SMC 140	SMC 240	SMC 340	SMC 3N40	SMC 440
50A	SMC 150	SMC 250	SMC 350	SMC 3N50	SMC 450
63A	SMC 163	SMC 263	SMC 363	SMC 3N63	SMC 463



SR44030

SR46330

SR240300

SR263300



MCB Accessories

6 9 9 9

4 Pole



SAUXACSP06



Rating	Product Code	Product Code
40A	SI240	SI440
63A	SI263	SI463
100A	SI2100	SI4100
125A	NA	SI4125

2 Pole

9 8

1 11

Product Code

SSTAC06230

Under/Over Voltage release

Product Code	
SOVUVT230	

Distribution Boards

Rating

25A

40A

63A



SR24030

SR26330

SR240100

SR263100



Rating	Product Code
2 Way	S2WECSD
4 Way	S4WECSD
8 Way	S8WECSD

0--

SPN Single Door





SR440100

SR463100

SR440300

SR463300



Rating	Product Code	Product Code	Product Code
1 Way	S4WSPNSD	S4WSPNDD	S4WSPNAD
6 Way	S6WSPNSD	S6WSPNDD	S6WSPNAD
3 Way	S8WSPNSD	S8WSPNDD	S8WSPNAD
2 Way	S12WSPNSD	S12WSPNDD	S12WSPNAD
6 Way	S16WSPNSD	S16WSPNDD	S16WSPNAD

SKU Chart



Distribution Boards

TPN Single Door









PPI Horizontal		
0		
	•	

Rating	Product Code				
4 Way+4mod	S4W4TPNSD	S4W4TPNDD	NA	NA	NA
4 Way	S4WTPNSD	S4WTPNDD	S4WTPNAD	NA	S4WPPIHDD
6 Way	S6WTPNSD	S6WTPNDD	S6WTPNAD	S6WPPIVDD	S6WPPIHDD
8 Way	S8WTPNSD	S8WTPNDD	S8WTPNAD	S8WPPIVDD	S8WPPIHDD
12 Way	S12WTPNSD	S12WTPNDD	NA	S12WPPIVDD	S12WPPIHDD

8 Segment **Double Door**







Phase Selector Double	Door
40A/ 63A	



Rating	Product Code				
4 Way	S4W8SGTDD	S4W40PHSSD	NA	S4W40PHSDD	NA
6 Way	S6W8SGTDD	S6W40PHSSD	S6W63PHSSD	S6W40PHSDD	S6W63PHSDD
8 Way	S8W8SGTDD	NA	S8W63PHSSD	NA	S8W63PHSDD
12 Way	S12W8SGTDD	NA	S12W63PHSSD	NA	S12W63PHSDD

Flexi Tier



Product Code
S14W2RTDD
S14W3RTDD
S14W4RTDD

Rating 2 Row 3 Row 4 Row

Plug & Socket 20A/ 32A



Rating	Product Code	Product Code
20A	SPS20SP	SPS20DP
32A	NA	SPS32TP

Distribution Boards



VTPN MCB Incomer

Rating	Product Code
4 Way	S4WVMCBDD
6 Way	S6WVMCBDD
8 Way	S8WVMCBDD
12 Way	S12WVMCBDD

VTPN MCCB Incomer

	125A 3P MCCB incomer	125A 4P MCCB incomer	200A 3P MCCB incomer	200A 4P MCCB incomer
Rating	Product Code	Product Code	Product Code	Product Code
4 Way	S4WV3M125DD	S4WV4M125DD	S4WV3M200DD	S4WV4M200DD
6 Way	S6WV3M125DD	S6WV4M125DD	S6WV3M200DD	S6WV4M200DD
8 Way	S8WV3M125DD	S8WV4M125DD	S8WV3M200DD	S8WV4M200DD
12 Way	S12WV3M125DD	S12WV4M125DD	S12WV3M200DD	S12WV4M200DD

Degree of Protection

Degree of protection of the enclosures for electrical equipment in accordance with the IE 529 and EN 60529 standards.

Protection against solid bodies

	Tests	
0		No Protection
1	Ø 50mm	Protected against solid bodies larger than 50 mm (eg: accidental contact with the hand)
2	Ø 12.5mm	Protected against solid bodies larger than 12.5 mm(eg: accidental finger of the hand)
3	Ø 2.5mm	Protected against solid bodies larger than 2.5 mm (tools, wires)
4	Ø 1mm	Protected against solid bodies larger than 1mm (tools, wires)
5		Protected against dust (no harmful deposit)
6	0	Completely protected against dust

	Protection against liquids		
	Tests		
0		No Protection	
1		Protected against vertically - falling drops of water (condensation)	
2	15'	Protected against drops of water falling at upto 15° from the vertical	
3	60'	Protected against drops of rainwater at upto 60° from the vertical	
4		Protected against projections of water from all directions	
5		Protected against jets of water from all directions	
6	***	Completely protected against jets of water of similar force to heavy seas	
7		Protected against the effects of immersion	
8		Protected against effects of prolonged immersion under specific conditions	