

axiom
POWER IN SAFE HANDS

Precision Engineered Electrical Solutions



A Legacy of Innovation in
Electrical Solutions



An ISO 9001 : 2015
Certified Company





A ISO 9001 Certified Company with more than 20 years of experience

Incorporated in 2003, AXIOM CONTROLS PVT. LTD. is engaged in designing, engineering and manufacturing a wide array of electrical products and services that meet the rising needs of numerous industries. The company was founded to improve the effectiveness, dependability and safe conduct of electricity by its visionary creator, Late Sh. Pardeep Kumar Gupta. It is now being spearheaded by his son, Abhinav Gupta who currently serves as the Managing Director of this prestigious organization, taking charge as the company's standard setter and guiding light. He is responsible for strategic planning, governance, supervision and decision-making while meticulously managing the day-to-day operations.

AXIOM takes pleasure in carrying out each stage of the production process internally as a renowned producer of electrical products. This allows us to maintain total control over the quality of our products and guarantee correspond to international standards, allowing us to meet the varied needs of our clients both at home and abroad. We have been able to continually produce outstanding results year after year because of our

dedication to continuous expansion in the manufacturing of electrical products. As a result of our unrelenting commitment to excellence, we have not only been at the forefront of our industry since our foundation but have also created new norms and benchmarks.

With our distinguished corporate clientele in the domestic and international markets, AXIOM has become the preferred choice. The high grade of our seasoned team of professionals, who have unmatched insight and dexterity in their respective fields, is the key to its unrivalled success.

With the strong bonds of trust and cooperation that our collaborative work environment has helped to create among our coworkers, we have coordinated our efforts to produce outstanding results for our valued clients. Our ability to quickly respond to the constantly changing market conditions has been crucial in ensuring we remain at the forefront of the sector.

AXIOM is the pinnacle of perfection and an embodiment of unrelenting dedication to the achievement of our clients.

LV SWITCHGEAR



Our team's highly qualified engineers and technicians are committed to providing automation and control solutions to various sectors. We establish a happy and encouraging workplace where team members feel authorized to take responsibility for their work and meaningfully contribute to the success of our customers. We strongly emphasize clear communication, goal setting, cooperation and continuous development. With the help of our clients, our team of highly qualified engineers and technicians designs, we implement specialized solutions that increase production and cut expenses.

Our team members closely collaborate with our clients to comprehend their individual needs and provide solutions according to their needs. In all we do, we place a high priority on quality, dependability and client happiness. We take pleasure in being a trusted partner to companies across industries around the world and our team members are dedicated to delivering the finest results possible.





We are dedicated to providing products & services of the highest caliber.. We specialize in producing LV Switchgear items such as Distribution Boards (DB's), Miniature Circuit Breaker (MCB), Residual Current Circuit Breaker (RCCB), MCB Isolators & MCB Changeovers, Moulded Case Circuit Breakers (MCCB) and other allied products. These goods are made using the best materials and the newest technological developments to ensure durability and dependability.

Additionally, we can also customize DB Design as per the needs of our client. Our distribution boards may be found in various sizes and configurations to fit any electrical installation and are made to the highest standards. As part of our commitment to deliver sustainable products, we have launched a complete range of LED Lighting in July, 2022 that offer outstanding lighting while using less power. Our LED lights are an excellent option for both commercial and residential applications owing to their competitive pricing & durability.

At our manufacturing facility, we take great pride in our



ability to provide specialized solutions tailored to our customer's specific requirements. Our team of professionals is devoted to offering top-notch services and support, whether a custom electrical product or a customized solution to a challenging electrical issue.

As a premier electrical manufacturer, we take dignity in our ability to deliver top-quality products & services that meet the evolving requirements of our clients. From our highly trusted LV Switchgear range to newly introduced highly durable LED Lighting range, our products are crafted using the latest technology and the highest quality materials.



An ISO 9001 : 2015 Certified Company



IS/IEC 60898-1:2015



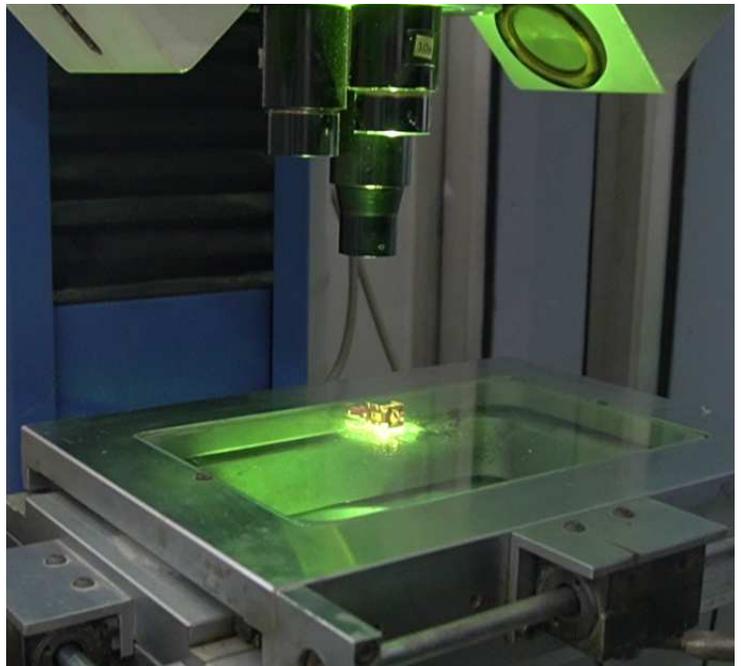
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Axiom received the esteemed ISO 9001:2015 Quality Management Certification demonstrating our everlasting dedication to process quality standards. Our entire manufacturing procedure complies with the exact specifications outlined by the Bureau of Indian Standards (BIS), guaranteeing the best product quality.

We go above & beyond to uphold our best quality standards and prompt delivery. We put every product through a thorough examination and several rounds of assessment to ensure it meets our high standards before leaving our facility. This careful approach enables us to uphold our dedication to quality and helps us avoid any unfortunate situations.

We consider every significant operational factor that could affect how well our goods work when they are used. We take the necessary precautions to mitigate any potential dangers and keep acutely aware of conditions like dust, heat, or excessive humidity to ensure our clients receive products that meet and exceed their expectations.

CE certification is a regulatory standard that indicates a product is safe for sale and use in the European Economic Area (EEA)





ONE-STOP BRAND FOR ELECTRICAL SOLUTIONS

With more than 20 years of experience, AXIOM has solidified its position as a top market leader in electrical solutions. The corporation takes great satisfaction in its research and development capacity and unrelenting pursuit of innovation. AXIOM has carved out a particular position for itself in the fiercely competitive business by consistently pushing limits and discovering new worlds.

We are dedicated to developing electrical products that meet the customers' changing needs and are safer, more effective and more convenient. AXIOM has become a reputable supplier and manufacturer of top-notch electric switchgear thanks to its persistent

commitment to providing outstanding customer experiences.

Our extraordinary success is seen in its global reach, which includes Nepal, Dubai, Iran and Ghana. AXIOM has solidified itself as a pioneer in the electrical solutions sector via its relentless pursuit of excellence and dedication to innovation.

The distinguished clientele we work with reflects our unwavering dedication to superiority and the pursuit of ideal quality. In a variety of market segments both within India and in six other countries, Axiom's products have gained popularity.



OUR MISSION

Our mission is to provide affordable and dependable electrical distribution solution to our clients with highly durable and defect free products.

OUR VISION

Our vision is to be counted amongst the top 5 electrical manufacturing companies of India by 2030 enabling us to be the preferred choice for both our clients and vendors alike.

OUR CORE VALUES

We are committed to maintaining the highest quality standards and supporting our customers in providing them with highly reliable electrical products. In order to uphold a high degree of excellence in quality and service worldwide, we are in relentless pursuit of trying new concepts and techniques. Our primary goal is to satisfy clients' unique needs by providing them cutting-edge solutions and superior well made goods.





MACHINERY & EQUIPMENT: ON-SITE

- 8-TANK PHOSPHATING PROCESS
- SPOT WELDING MACHINES (DOUBLE STATION) 25 KVA
- CNC BENDING MACHINE
- POWDER COATING OVEN
- SHEARING MACHINE
- CNC SHEARING MACHINE
- CONVEYORISED SPRAY BOOTH FOR POWDER COATING
- DRILLING MACHINE
- POWDER COATING GUN
- POWER PRESS 5/10/20/50 TON
- BENCH GRINDER 2900 RPM

- POWER PRESS SMALL 1 TON
- SURFACE GRINDER 3000 RPM
- TAPPING MACHINE 6 MM
- LATHE MACHINE
- PAD PRINTING MACHINE (SINGLE/DOUBLE COLOR)
- ARC WELDING MACHINE
- COMPRESSOR (5/10 H.P)
- INK JET PRINTING MACHINE
- SPOT WELDING MACHINES 35 KVA
- SPRING LOAD TEST MACHINE
- PNEUMATIC SCREW DRIVERS WITH BALANCERS

IN-HOUSE TESTING FACILITIES: MCBs & Dbs

IS/IEC : 60898 (Part-1)-2015

S.NO	NAME OF TEST	CLAUSE NO
1	Tripping test	1.1
2	Verification of clearance between open contacts	1.2
3	Marking	6
4	Mechanism	8.1.2
5	Tripping characteristic	9.10
6	Indelibility of marking	9.3
7	Clearance & creepage distances (external parts only)	8.1.3
8	Non Interchangeability	8.1.6
9	Reliability of screws, current-carrying parts and connections	9.4
10	28-day MCB testing bench	9.9
11	Reliability of screw type terminals for external conductors	9.5
12	Protection against electric shock	9.6
13	Clearance & creepage distances (internal parts only)	8.1.3
14	Resistance To heat	9.14
15	Resistance to abnormal heat and to fire	9.15
16	Resistance to rusting	9.16
17	Dielectric properties	9.7
18	Temperature - rise	9.8
19	Mechanical & electrical endurance	9.11
20	Resistance to mechanical shock and impact	9.13



PRODUCTS

MINIATURE CIRCUIT BREAKERS (MCBs)

Ace

Assured safety from Electrical Hazards

Engineered to deliver optimum security to the electrical appliances of your home and office, the Ace range of Axiom MCB becomes a cherished the premise. Equipped with the exclusive mid-trip function makes it easy to partner of identify circuit fault as knob stays in centre. Axiom offers a complete range of well-engineered MCB's that offer overall protection to your electrical installation from sustained overload and short-circuit. The high short-circuit Breaking capacity of 10000(10KA) makes it the perfect fit for heavy electrical appliances.

- Innovative snap pusher for easy mounting & demounting of MCB without disturbing other MCBs when mounted in distribution board.
- Contacts are made of SILVER Inlaid Copper, ensuring long life, maximum safety, low contact resistance resulting in LOW WATT LOSS leading to ENERGY SAVING.
- High Grade Housing Material
- High Strength, flame retardant, 100% virgin PBT
- Positive contact indicator (On-Red, Off-Green)
- Incoming terminal capacity upto 35 sq mm



IS/IEC 60898-1:2015



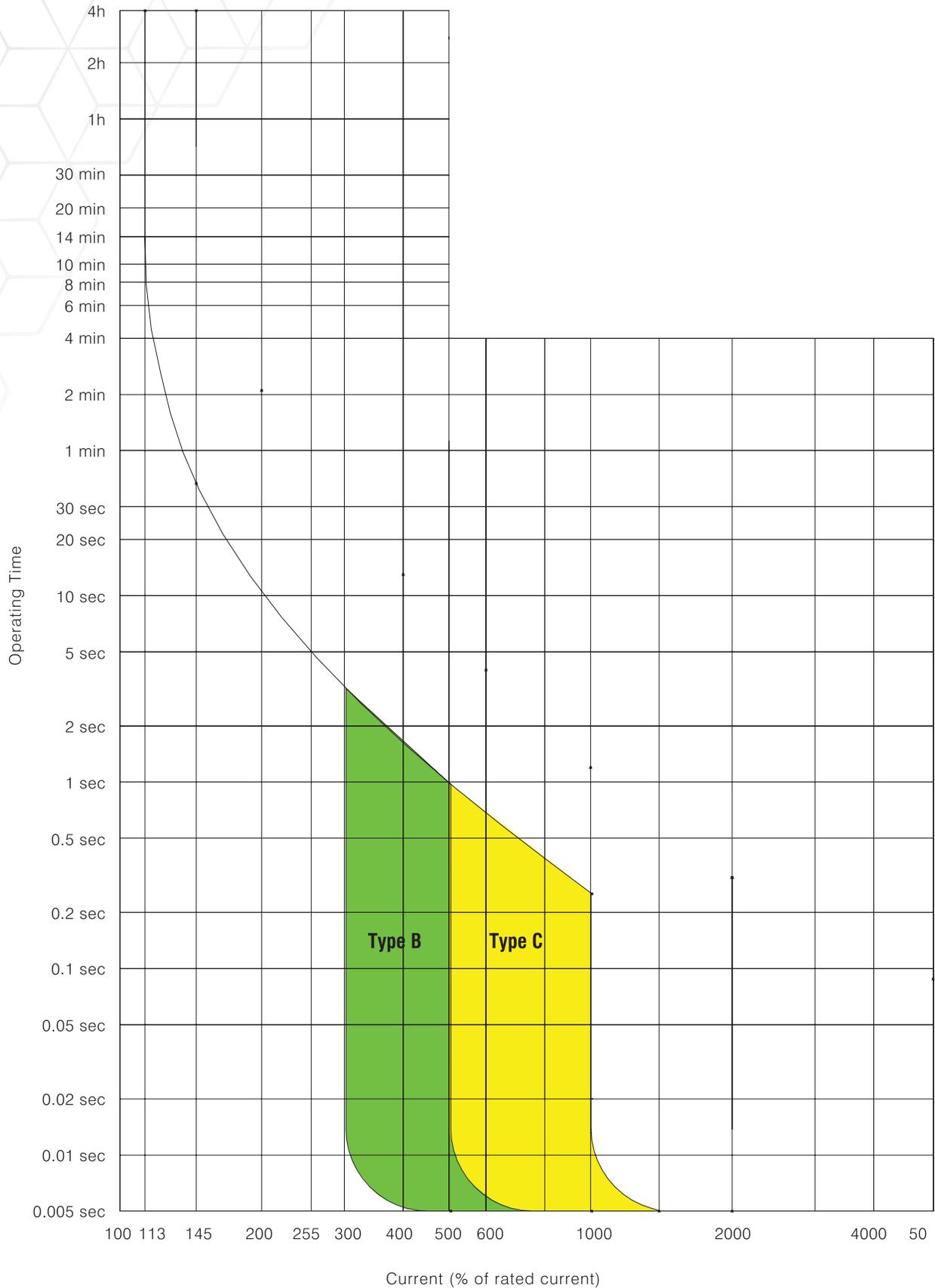
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CERTIFICATION

Entire range of Axiom MCBs are ISI Marked as per IS/IEC 60898-1:2015
 Third party tests done at NTH, Ghaziabad
 CE certification is a regulatory standard that indicates a product is safe for sale and use in the European Economic Area (EEA)



TRIPPING CHARACTERISTICS - CURVE B & C



SALIENT FEATURES

<p>10 KA BREAKING CAPACITY Protection of equipments against current as high as 10,000 A</p>	<p>MID TRIP INDICATION Offers clear identification of faulty circuit with knob coming to mid position</p>	<p>IP 20 DEGREE PROTECTION Prevents accidental contact with live parts</p>	<p>AIR CIRCULATION The breathing channels are so profiled that the air circulates around individual pole, resulting in cooler operation</p>
<p>ENERGY EFFICIENT LOW WATT LOSS leading to ENERGY SAVING as the contacts are made of Silver Inlaid copper ensuring:</p> <ul style="list-style-type: none"> ■ Long Life ■ Maximum Safety ■ Low Contact Resistance 	<p>PADLOCKING FACILITY Available due to safety purpose during maintenance. off position : For Personal Safety on position : For extremely critical load Restriction</p>	<p>TRIP FREE MECHANISM In the event of an over current or short circuit, the MCB automatically interrupts all the poles even if the MCB knob is held in ON position.</p>	<p>CURRENT LIMIT CLASS-3 Axiom MCB is designed to allow minimum let through energy in case of fault. It operates with high-speed mechanism in which electrodynamic forces set up by the heavy current due to short-circuit, separate the contacts several times faster, before it could reach the peak volume, thus suppressing the high current.</p>



Positive Contact Indicator
ON - RED
OFF - GREEN

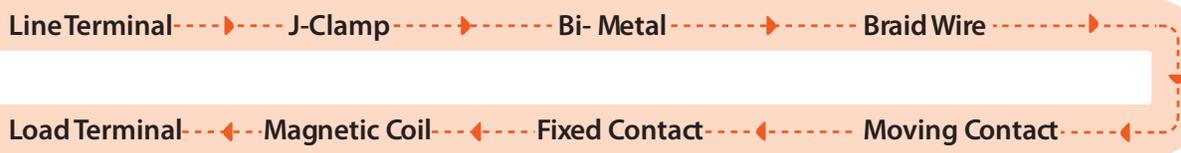
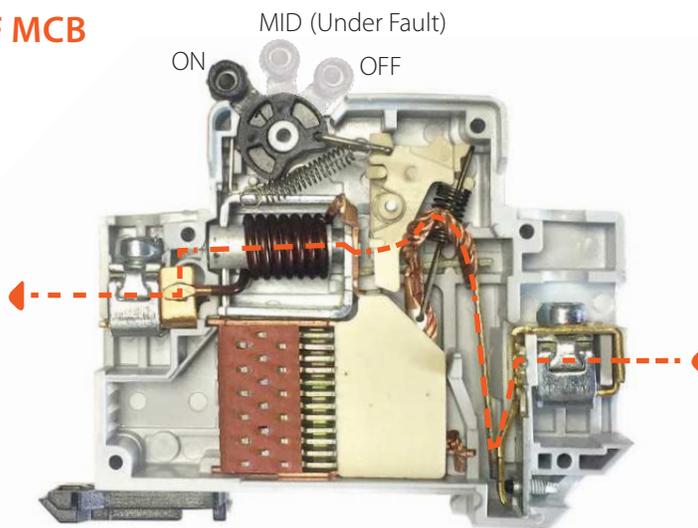
TECHNICAL SPECIFICATIONS

Standard Conformity	IS/IEC:60898-1
Standard Rated Current (In)	6 – 63 A in B & C series for resistive loads and inductive loads respectively
Execution	Single Pole (SP), Single Pole & Neutral (SPN), Double Pole (DP), Triple Pole (TP), Triple Pole & Neutral (TPN), Four Pole (FP)
Rated Voltage (Ue)	240/415 Volts
Rated Frequency	50Hz
Rated Insulation Voltage (Ui)	660 V~
Ambient Temperature	-10 to 60° C
Trip Fault Indication	Mid Trip Feature
Terminal Capacity	35 sq mm
Energy Limit Class	Class 3
Watt Loss	As per the IS/ IEC Standards
Rated Short Circuit Breaking Capacity (Icn)	10,000A (10kA)

MCB SELECTION CHART

APPLIANCES	CAPACITY/ WATT (LOAD) AT 240~ SINGLE PHASE	MCB RATING
Air Conditioner	1.0 Ton	10A
	1.5 Ton	16A
	2.0 Ton	20A
Cooking Range	With oven cum griller 4500 Watts	25A
	With oven cum griller 1750 Watts	10A
	Oven only 750 Watts	6A
	Hot Plate only 2000 Watts	10A
Room Heater	1000 Watts	6A
	2000 Watts	10A
Geyser (Storage instantenous)	1000 Watts	6A
	2000 Watts	10A
	3000 Watts	16A
	6000 Watts	32A
Washing Machine (Automatic)	1300 Watts	6A
LCD & LED TV	750 Watts	6A
Photo Copier	1500 Watts	6A
Electric Kettle	1500 Watts	10A
Mixer Grinder	1000 Watts	6A
Toaster	1200 Watts	6A
Electric Iron	1250 Watts	6A

CURRENT FLOW OF MCB



LV SWITCHGEAR

ISOLATORS *Ace*

Axiom Isolators are perfect companions for ensuring the complete de-energisation of the electrical circuits of residences, commercial premises and also adhere to the IS/ IEC 60947- 3 norms. These are equipped with silver alloy contacts for weld-free operations and form the perfect fitments as incomers for individual residential as well as Commercial Premises

Isolator are used in electrical installation to make, carry and break circuit current. The isolator ensures that there will be no current at the load side even if impulse voltage appears when the isolator is OFF.



SALIENT FEATURES

- Low power consumption, cost effective and energy saving
- Longer electrical and mechanical life
- Energy saving, low watt loss Isolators
- Compact frame size with Heavy duty protection

TECHNICAL SPECIFICATIONS

Standard Conformity	IS/IEC 60947-3
No of Poles	2P, 3P & 4P
Current Rating	40A, 63A, 100A
Rated Voltage (Ue)	240/ 415 V AC
Rated Frequency (f)	50 Hz

RESIDUAL CURRENT CIRCUIT BREAKERS (RCCBs)

Residual Current Circuit Breaker (RCCB) also called an Earth leakage Circuit Breaker (ELCB) is a device, designed to cause the opening of contacts to disconnect the load from the supply mains, when the residual current ($I_{\Delta n}$) is flowing in the circuit.

The Leakage current is the faulty current in the electrical system that flows wrong path towards the earth. Faulty wires, poorly insulated equipments & incorrect use of an electrical device are the primary elements that may cause leakage current



SALIENT FEATURES

- Elegant appearance
- Clear fault trip indication as well as test button for periodic check-up
- IP-20 protection
- High short-circuit withstand capacity
- Flame proof body and cover
- Protection against Direct contact
- Protection against Indirect contact
- Energy Saving
- Protection against Electric Fire
- Protection of Earthing Against Corrosion
- Terminal Safety Shutters to prevent accidental contact with live parts while installation

TECHNICAL SPECIFICATIONS

Standard Conformity	IS 12640 -1: 2000, IEC 61008-1
Poles	DP & FP
Current Rating	25A, 40A & 63A
Rated Voltage (Ue)	240/ 415 V AC
Rated Sensitivity, mA	30mA, 100mA & 300mA
Protection	Against earth fault / Leakage current
Rated Frequency (f)	50 Hz
Nuisance Tripping	No
Operating Characteristic	'AC' Type
Dielectric Strength	2.5kV
Terminal Capacity	35 sqmm
Protection Class	IP20
Safety Shutters	Yes
Breaking Capacity	6 KA/10KA (Ace)

LV SWITCHGEAR

MCCB

AX1e & AX1 Moulded Case Circuit Breaker

APPLICATION

Axiom series of moulded case circuit breakers are provided with overload short-circuit and under-voltage protection function to protect the lines and power equipment from damage. The product can be mounted vertically or horizontally.

SALIENT FEATURES

- Compact size
- Modular design with high Breaking capacity
- Zero flying arc & environmental friendly

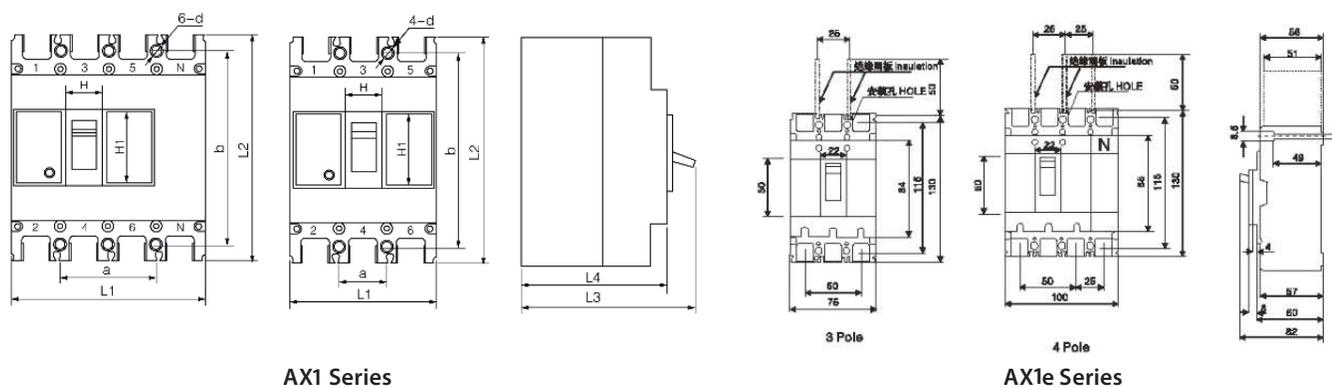


AX1e

AX1

MODEL	AX1e-100	AX1-125	AX1-250	AX1-400	AX1-630
Frame current Inm(A)	100	125	250	400	630
Rated voltage In(A)	32, 40, 63, 80, 100	40, 63, 80, 200, 125	160, 180, 200, 225, 250	315, 350, 400	400, 500, 630
Number of poles	3 4	3 4	3 4	3 4	3 4
Rated insulation voltage Ui(V)	AC800				
Rated working voltage Ue(V)	AC415, AC690				
Rated impulse withstand voltage Uimp(V)	8000				
Arcing distance (mm)	50				
Breaking capacity grade	L M H	L M H	L M H	L M H	L M H
Limit short-circuit Breaking capacity Icu(kA) AC415V	35 50 85	35 50 85	35 50 85	50 65 100	50 65 100
Running short-circuit Breaking capacity Ics(KA) AC415V	22 35 50	22 35 50	22 35 50	35 42 65	35 42 65
Operation characteristics(times) ON	6000	6000	3000	2000	1500
OFF	8500	8500	7000	4000	4000
Total	10000	10000	6000	5500	5500

MOULDED CASE CIRCUIT BREAKERS



AX1 Series

AX1e Series

SPREADER LINK (FOR MCCB)

Within electrical engineering applications, spreader links serve a critical role in optimizing MCCB performance. Spreader links ensure a uniform current path across the MCCB's contacts. By facilitating even current distribution, spreader links effectively increase the overall current rating that the MCCB can handle.



TYPE	RATING
3P, 4P	63-125A/10kA
3P, 4P	63-125A/35kA
3P, 4P	160-250A/35kA
3P, 4P	315-400A/50kA

TWO-WAY CENTRE OFF CHANGEOVER SWITCH

Double break contacts with silver cadmium oxide contact tips

Axiom Two-way Centre Off Changeover Switch is a manually operated changeover switch used for changing over from main supply to generator supply and vice-versa. It finds wide application in industries as well as domestic area for using low voltage distribution circuits.

SALIENT FEATURES

- Compact construction
- Double break contacts
- SILVER cadmium oxide contact tips
- Easy, snap on, DIN rail mounting
- Positive contact indicator on both genset and main supply



TECHNICAL SPECIFICATIONS

REFERENCE STANDARD	CURRENT RATING	EXECUTION	UTILIZATION CATEGORY
IS/IEC 60947-3	25A, 40A, 63A	2 pole, 4 pole	AC22A

LV SWITCHGEAR

DISTRIBUTION BOARDS(DBs)

AESTHETICALLY SUPERIOR FEATURE PACKED DBs
 All Axiom DBs are universal mounting types, hence can be flush or wall mounted.
 They undergo 8 tank phosphating process to ensure anti-rust conditioning, superior finish and lasting strength.



IP 30

SINGLE DOOR DB

SALIENT FEATURES

- IP 30 Protection
- Double mounting key holes
- High grade CRCA sheet steel
- Wide range
- Cover with earth & neutral link

Classic Plus Series



IP 42

Ace Series



IP 43

DOUBLE DOOR DBs

Classic Plus Series

Ace Series

SALIENT FEATURES

- State of the Art Design.
- Complete range of DBs with knockouts on the sides of DB to increase the flexibility of cable /conduit entry from all directions.
- Ready to use DBs that are supplied with Neutral Links, Earth Links, Bus Bar and inter connecting wire/links.
- TOP two foundation holes of key type and bottom two of round type for mounting or hanging the DB.
- Knockouts at appropriate positions make the DBs suitable for wider applications, minimizing sharp bends of cables.
- Earth Bar for better and firm earthing and for facilitating individual earthing for each outgoing terminal.
- Special brass incoming terminals to ensure perfect connections of incoming cable with the Bus Bar from any direction.
- Bus Bar Rating – 100 / 200A
- Provided with removable gland plates both onTOP and bottom

OVERVIEW

DESCRIPTION	NO. OF WAY/TYPE	RANGE
SPN	4, 6, 8, 10, 12, 16	Single Door & Double Door Version
TPN	4, 6, 8, 12	Single Door & Double Door Version Three phase & Neutral incoming, The Outgoing can only be Single Phase

LV SWITCHGEAR

PLUG & SOCKET DB METAL CLAD (W/O MCB)

- Confirm to IS 8623 standards.
- Suitable for the protection of appliances like ACs, Motor & other Inductive Load.
- Designer AC Box.
- IP 30degree of protection.
- Provision for both flush & wall mounting.
- Adjustable 35sq. mm din rail with connecting links
- Fully powder Coated in 60 micron powder coating thickness.



SPN

TPN

DESCRIPTION	NO. OF WAY/TYPE	RANGE
Metal Plug & Socket DB	SP, SPN, TP, TPN	20A & 30A

PLUG & SOCKET DB *Ace* (W/O MCB) (Industrial plug & Socket)

Ace



TPN

SPN

- Confirm to IS 8623 standards.
- Suitable for the protection of appliances like ACs, Motor & other Inductive Load.
- Designer AC Box.
- IP 44degree of protection.
- Provision for both flush & wall mounting.
- Adjustable 35sq. mm din rail with connecting links
- Fully powder Coated in 60 micron powder coating thickness.

DESCRIPTION	NO. OF WAY/TYPE	RANGE
Plastic Plug & Socket DB	SP, SPN, TP, TPN	16A , 32A & 63

INDUSTRIAL PLUG & SOCKET (Plastic)

Axiom offer IP44 Industrial plugs and sockets upto 32A and IP67 protection for 63A plug & sockets which gives them ultimate protection against entry of solid particles or water. This is complemented by high grade plastic material which makes them ideal for demanding applications.

RANGE	TYPE
16A 3Pin	IP44
32A 3Pin	IP44
32A 5Pin	IP44
63A 5Pin	IP67



METAL PLUG & SOCKET

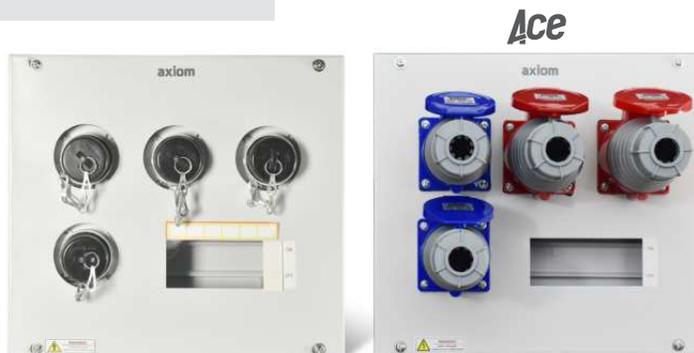
Metal clad plugs and sockets are known for their durability and safety features, making them ideal for industrial applications. Axiom metal casing provides superior protection against physical impact, dust, and moisture. These are designed to prevent accidental contact with live parts.

NO OF POLES	RATING
2 POLE+EARTH	10A
2 POLE+EARTH	10A
2 POLE+EARTH	20A
2 POLE+EARTH	20A
3 POLE+EARTH	20A
3 POLE+EARTH	20A
3 POLE+EARTH	30A
3 POLE+EARTH	30A

MULTI OPTION PLUG & SOCKET DB

Multi Option Plug & Socket DB is a special purpose DB which provides for multiple sockets connections in the same enclosure. Axiom Multi option plug & socket DB are available both in SPN & TPN options and are widely used in construction industry.

TYPE	RATING	RATING <i>Ace</i>
2W AY/SPN	20A	16A/32A
3W AY/SPN	20A	16A/32A
4W AY/SPN	20A	16A/32A
2W AY/TPN	20A	16A/32A
3W AY/TPN	20A	16A/32A
4W AY/TPN	20A	16A/32A



With Metal Plug & Socket

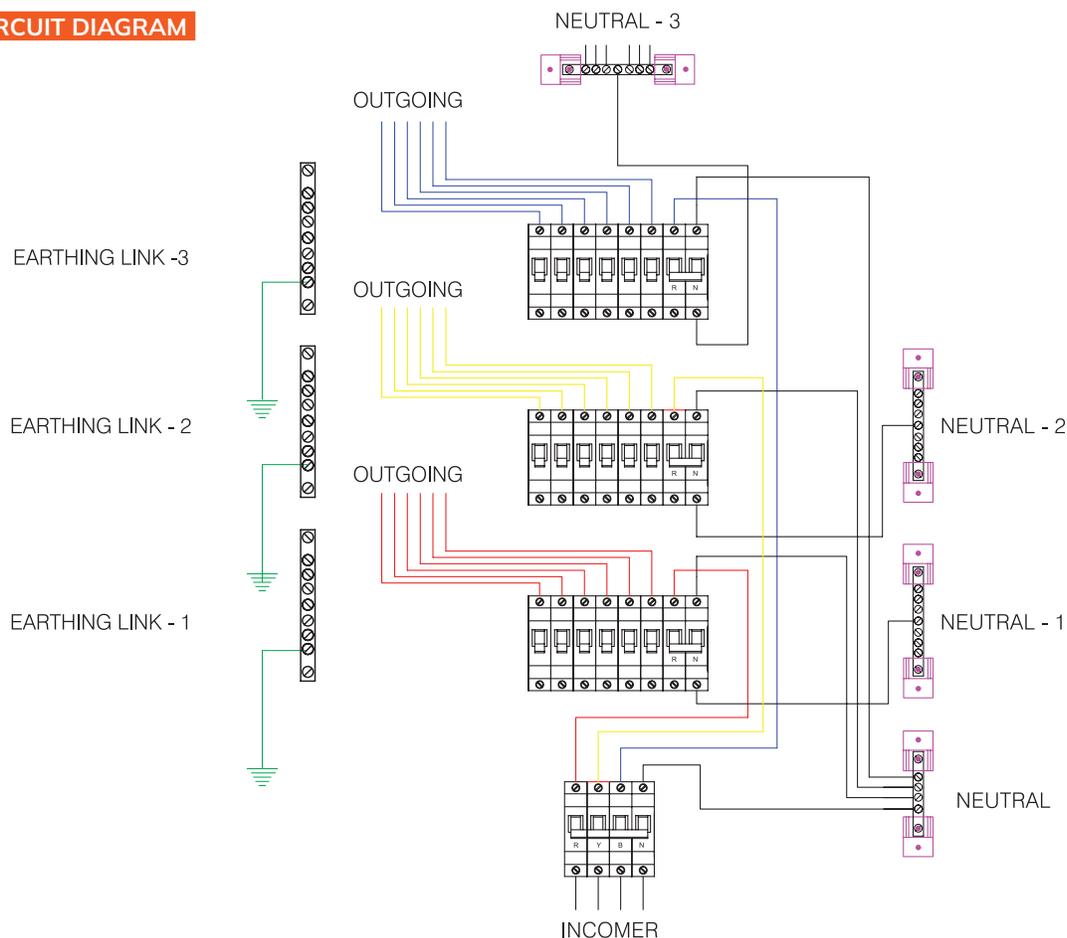
With Industrial Plug & Socket

VERTICAL PER PHASE ISOLATION (PPI) DISTRIBUTION BOARD



IP 43

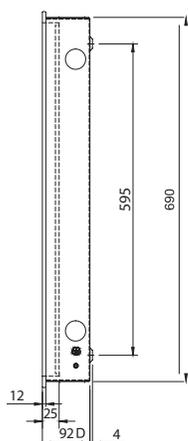
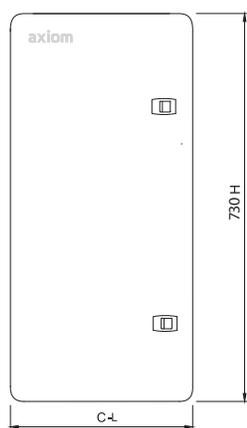
CIRCUIT DIAGRAM



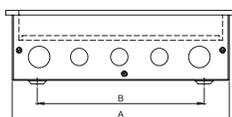
LV SWITCHGEAR

DB TECHNICAL SPECIFICATIONS

No. of Ways	2+4, 2+6, 2+8 & 2+12 Ways
Type of Installation	Flush / Surface
Colour / Finish	RAL 7035 Grey (Semi Glossy)
Door Options	Reversible
Door Locking Options	Sliding Lock
Removable Gland Plates	Top & Bottom
Protection Level of Distribution Board	Advanced
Distribution Technique	Insulated Busbar
Bus Bar Rating	63A
Incoming	Max.63A
Outgoing	Max. Individual 63A
Provision for Incomer slots	8 Slots
Voltage Rating	240/415V~ AC, 3 Phase/4 Wire
Main Incoming Options	Three Phase - MCB or RCCB or ISOLATOR
Sub Incoming Options	DP MCB / RCCB
Neutral Bar Terminal Capacity	25 mm ²
Earthing Bar Terminal Capacity	25 mm ²
Ingress Protection (IP)	IP43
Rated Insulated Voltage (Ui)	690V~
Frequency	50Hz
Dielectric Strength	2.5KV
Ambient Temperature	-5° C to 40° C
Distribution Board-Reference Standards	IS 8623; IS 13032



Dimensions (in mm)



L X H X D= Length X Height X Depth

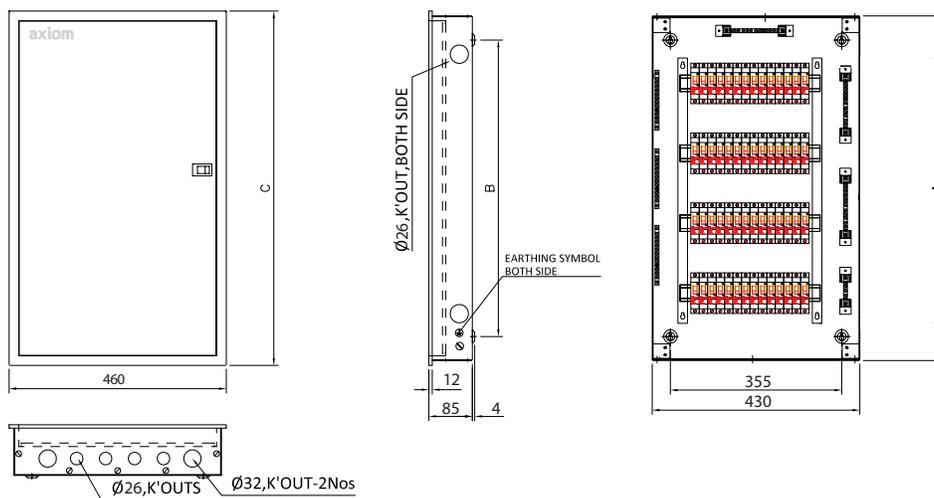
NO. OF WAYS	INCOMING + OUTGOING	SHEET THICKNESS mm	Dimensions (in mm)			Ø26, K' OUT		Ø32, K' OUT		Ø26, K' OUT EACH SIDE
			A	B	C	TOP	BOTTOM	TOP	BOTTOM	
4+2	4/8+6+12	1.2	300	200	353	4	4	2	2	2
6+2	4/8+6+18	1.2	300	200	353	4	4	2	2	2
8+2	4/8+6+24	1.2	325	225	380	6	6	2	2	2
12+2	4/8+6+36	1.2	400	300	453	8	8	2	2	2

LV SWITCHGEAR

FLEXI TIER DOUBLE DOOR DISTRIBUTION BOARD



Dimensions (in mm)



L X H X D= Length X Height X Depth

NO. OF WAYS	INCOMING + OUTGOING mm	SHEET THICKNESS	Dimensions (in mm)			Ø26, K' OUT		Ø32, K' OUT		Ø26, K' OUT EACH SIDE
			A	B	C	TOP	BOTTOM	TOP	BOTTOM	
28	-	1.2	400	300	430	4	4	2	2	2
42	-	1.2	545	445	575	4	4	2	2	2
56	-	1.2	690	590	720	4	4	2	2	2

LV SWITCHGEAR

DDB TECHNICAL SPECIFICATIONS

No. of Ways	28, 42, 56 ways
Type of Installation	Surface and Flush mounting
Colour / Finish	RAL 7035 Grey (Semi Glossy)
Door Options	Reversible
Door Locking Options	Sliding Lock
Removable Gland Plates	Top & Bottom
Protection Level of Distribution Board	Advanced
Distribution Technique	Insulated Busbar
Bus Bar Rating	100A
Incoming	Max.63A
Outgoing	Max. Individual 63A
Voltage Rating	240/415V~ AC, Single Phase
Incoming Options	SPN / DP MCB / RCCB / Isolator
Outgoing Options	Single pole MCB up to 63A
Neutral Bar Terminal Capacity	25 mm ²
Earthing Bar Terminal Capacity	25 mm ²
Ingress Protection (IP)	IP43
Rated Insulated Voltage (Ui) _____	690V~
Frequency	50Hz
Dielectric Strength	2.5KV
Ambient Temperature	-5° C to 40° C
Distribution Board- Reference Standards	IS 8623; IS 13032

MCCBs ENCLOSURES

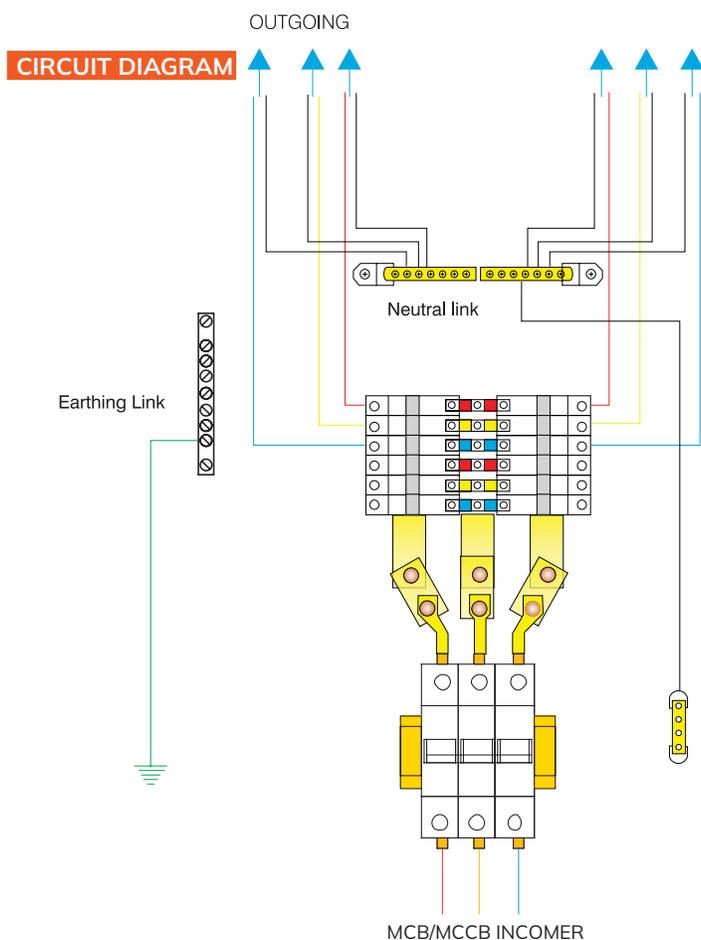
Axiom MCCB Enclosure are intelligently designed to have an unique universal mounting plate that can accommodate almost all leading brand MCCB's. The plate is adjustable both vertically and horizontally. Additionally, cutouts have also been provided in MCCB Enclosure cover to offer flexibility for SP, TP, FP MCCB usage as per requirement.

- IP 30 – S1 100A MCCB Enclosure (Suitable for MCCB upto 100 A)
- IP 30 – S2 160A MCCB Enclosure (Suitable for MCCB upto 160 A)
- IP 30 – S3 250A MCCB Enclosure (Suitable for MCCB upto 250 A)
- IP 30 – S4 400A MCCB Enclosure (Suitable for MCCB upto 400 A)
- Universal Design with adjustable mounting plate
- Removable Gland Plates (Top & Bottom) with Φ 26 & Φ 32 mm knockout
- Provision for SP, TP and FP MCCB cut on cover



TPN VERTICAL DISTRIBUTION BOARD (MCB/MCCB INCOMER)

Three Phase Reversible Door DB suitable for mounting both MCB or MCCB as incomer



SALIENT FEATURES

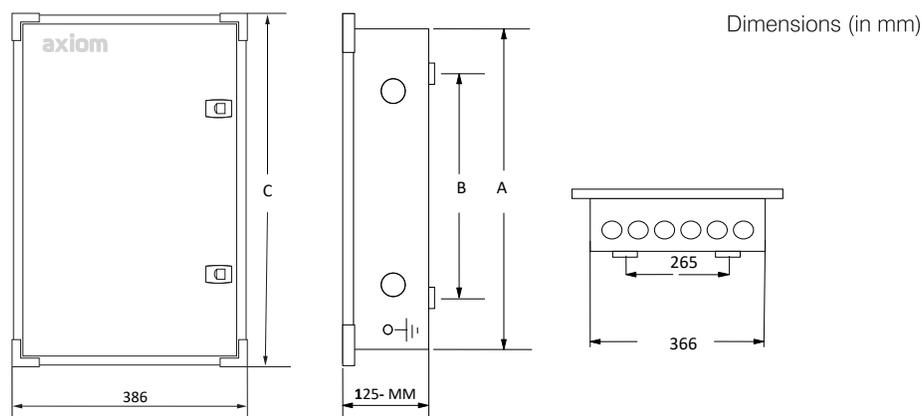
- Adheres to IS13032 & 8623 (Part 3) Norms
- Universal mounting DB supplied with copper insulated bus bar neutral link, earth link, earthing studs and connection wires
- Equipped with detachable Gland plates with knock outs on both sides
- Suitable for TP / TPN / FP MCB or TP/FP MCCB as an incomer with 8 slots (MCB incomer) followed by SP / TP MCB as an outgoing
- Bus bar Rating 100A
- Flexible for Single Phase / Three Phase outgoing

LV SWITCHGEAR

DB TECHNICAL SPECIFICATIONS

No. of Ways	4, 6, 8 & 12 ways
Type of Installation	Surface & Flush mounting
Colour / Finish	RAL 7035 Grey (Semi Glossy)
Door Options	Reversible
Door Locking Options	Sliding Lock
Removable Gland Plates	Top & Bottom
Protection Level of Distribution Board	Advanced
Distribution Technique	Insulated Busbar
Bus Bar Rating	63A
Incoming	Max. 63A
Outgoing	Max. Individual 63A SP & TP
Provision for Incomer slots	8 Slots
Voltage Rating	240/415V~ AC, 3 Phase/4 Wire
Main Incoming Options	Three Phase MCB or RCCB or ISOLATOR
Sub Incoming Options	SP or TP or Both MCB
Neutral Bar Terminal Capacity	25 mm ² , Split on both sides
Earthing Bar Terminal Capacity	25 mm ² , Split on both sides
Ingress Protection (IP)	IP43
Rated Insulated Voltage (Ui)	690V~
Frequency	50Hz
Dielectric Strength	2.5KV
Ambient Temperature	-5° C to 40° C
Distribution Board-Reference Standards	IS 8623; IS 13032

MCB/MCCB INCOMER



MCB INCOMER

NO. OF WAYS	INCOMING + OUTGOING	SHEET THICKNESS mm	Dimensions (in mm)			Ø32, K' OUT		Ø32, K' OUT EACH SIDE
			A	B	C	TOP	BOTTOM	
4	8+12/4	1.2	437	367	368	6	6	2
6	8+18/6	1.2	490	419	455	6	6	2
8	8+24/8	1.2	542	474	560	6	6	2
12	8+36/12	1.2	648	579	666	6	6	2

L X H X D= Length X Height X Depth

MCCB INCOMER

NO. OF WAYS	OUTGOING SP/TP	SHEET THICKNESS mm	Dimensions (in mm)			Ø32, K' OUT		Ø32, K' OUT
			A	B	C	TOP	BOTTOM	EACH SIDE
4	12/4	1.2	492	425	510	6	6	2
6	18/6	1.2	545	477	564	6	6	2
8	24/8	1.2	598	530	616	6	6	2
12	36/12	1.2	704	635	722	6	6	2

Tolerance +/- 5mm

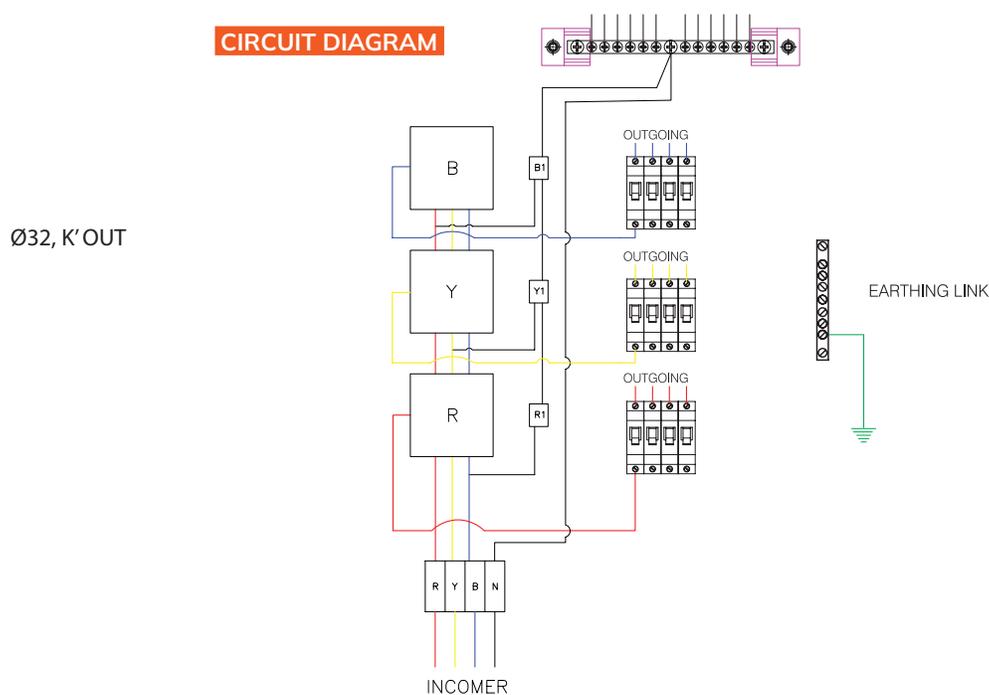
PHASE SELECTOR (VERTICAL) DISTRIBUTION BOARD

Axiom vertical type phase selector DB provides ample space for wiring and has two separate compartments for MCBs and phase selector switches suitable for use on 240/415V, 50 Hz Supply & provision for 4P incomer.



NEUTRAL LINK

CIRCUIT DIAGRAM

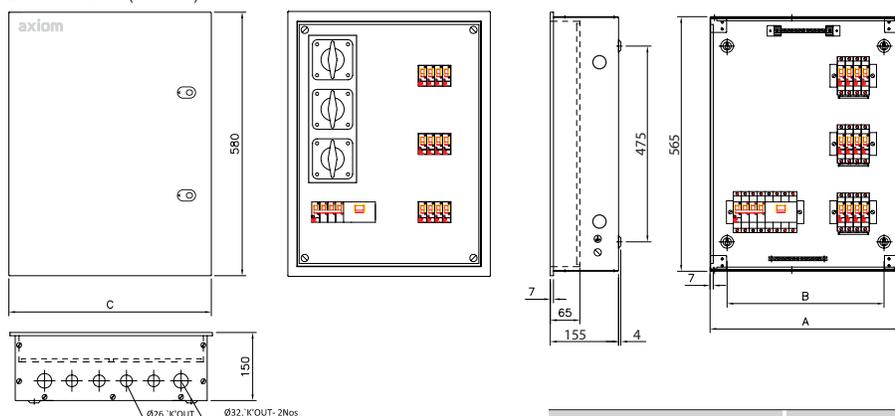


LV SWITCHGEAR

DB TECHNICAL SPECIFICATIONS

No. of Ways	4, 6, 8 & 12 Ways
Rotary Switch Rating	40A & 63A
Type of Installation	Flush / Surface
Colour / Finish	RAL 7035 Grey (Semi Glossy)
Door Options	Reversible
Door Locking Options	Sliding Lock
Removable Gland Plates	Top & Bottom
Protection Level of Distribution Board	Advanced
Distribution Technique	Insulated Busbar
Bus Bar Rating	63A
Incoming	Max. 63A
Outgoing	Max. Individual 63A
Provision for Incomer slots	8 Slots
Voltage Rating	240/415V~ AC, 3 Phase/4 Wire
Incoming Options	Three Phase MCB / RCCB / Isolator.
Rotary Switch with Indicators	Three Selectors with Three R, Y, B Indicating Lights Switch
Neutral Bar Terminal Capacity	25 mm ²
Earthing Bar Terminal Capacity	25 mm ²
Ingress Protection (IP)	IP43
Rated Insulated Voltage (Ui)	690V~
Frequency	50Hz
Di-electric Strength	2.5KV
Ambient Temperature	-5° C to 40° C
Distribution Board- Reference Standards	IS 8623; IS 13032

Dimensions (in mm)



L X H X D= Length X Height X Depth

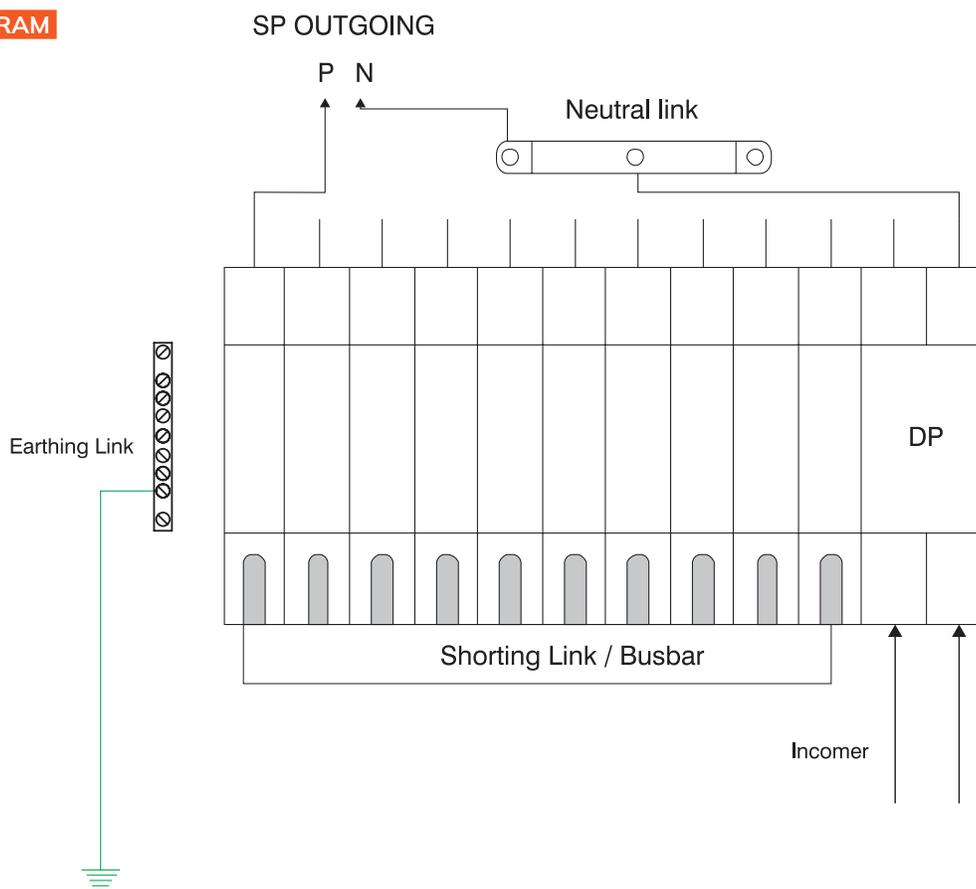
NO. OF WAYS	INCOMING + OUTGOING	SHEET THICKNESS mm	Dimensions (in mm)			Ø32, 'K' OUT		Ø32, 'K' OUT EACH SIDE
			A	B	C	TOP	BOTTOM	
4	8+6+12	1.2	400	320	465	6	6	2
6	8+6+18	1.2	435	350	495	6	6	2
8	8+6+24	1.2	470	485	530	8	8	2
12	8+6+36	1.2	530	450	590	8	8	2

TV & TEL. SPN DOUBLE DOOR DISTRIBUTION BOARD

Axiom TV/Telephone Double door DB comes fitted with Bus Bar, Neutral link, Earth Link having telephone socket & TV co-axial Socket suitable for apartments



CIRCUIT DIAGRAM

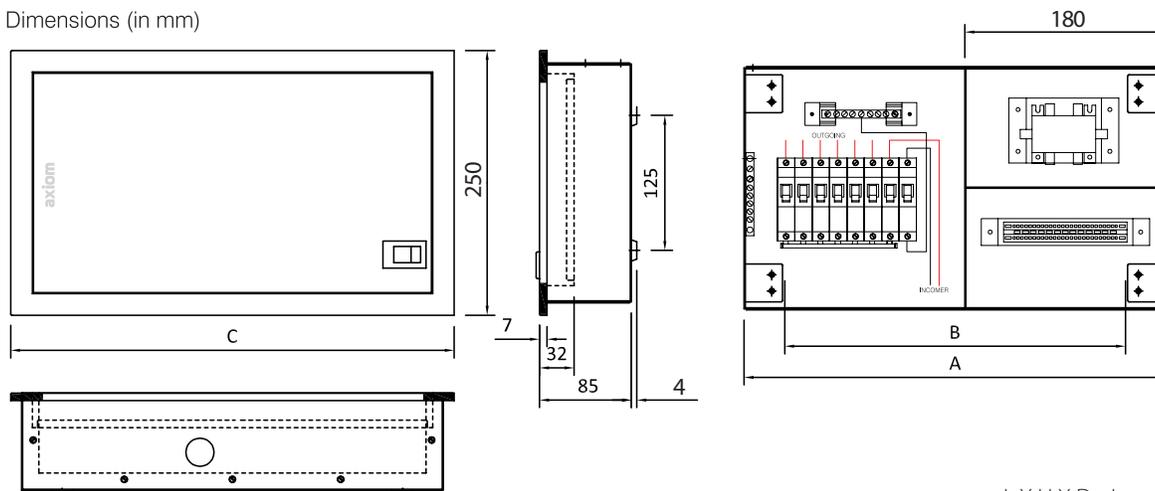


LV SWITCHGEAR

DB TECHNICAL SPECIFICATIONS

No. of Ways	6, 8, 12 & 16 ways
Type of Installation	Surface and Flush mounting
Colour / Finish	RAL 7035 Grey (Semi Glossy)
Door Options	Reversible
Door Locking Options	Sliding Lock
Removable Gland Plates	Top & Bottom
Protection Level of Distribution Board	Advanced
Distribution Technique	Insulated Busbar
Bus Bar Rating	100A
Incoming	Max.63A
Outgoing	Max. Individual 63A
Voltage Rating	240/415V~ AC, Single Phase
Incoming Options	SPN / DP MCB / RCCB / Isolator
Outgoing Options	Single pole MCB up to 63A
Neutral Bar Terminal Capacity	25 mm ²
Earthing Bar Terminal Capacity	25 mm ²
Ingress Protection (IP)	IP43
Rated Insulated Voltage (Ui)	690V~
Frequency	50Hz
Dielectric Strength	2.5KV
Ambient Temperature	-5° C to 40° C
Distribution Board- Reference Standards	IS 8623; IS 13032

Dimensions (in mm)



L X H X D= Length X Height X Depth

NO. OF WAYS	INCOMING + OUTGOING	SHEET THICKNESS mm	Dimensions (in mm)			Ø26, K'out		
			A	B	C	TOP	BOTTOM	EACH SIDE
6	2+5	1.00	400	295	425	6	6	2
8	2+8	1.00	435	330	460	8	8	2
12	2+12	1.00	505	400	530	12	12	2

LV SWITCHGEAR

METAL ENCLOSURE (CUTOUT)

Available in 1/2 & 3/4 pole model

Axiom Metal Enclosures are a perfect solution to connect the MCBs with the electrical circuit and provide them the mounting rails and necessary support. These also protect the electrical wiring from any direct contact with foreign objects or an accidental human touch. Finished with premium powder coating, they are ideal for both indoor & outdoor applications.



PLASTIC ENCLOSURE (CUTOUT)

Available in 1/2 & 3/4 pole model

1/2 model also available in Eco (price effective) variant.

Within the realm of electronic enclosures, plastic offers a lightweight and highly customizable housing solution. Strategic cutouts within these enclosures are essential for seamless component integration and user interaction. They are ideal for surface mounting offering premium aesthetics with functionality.



PLASTIC ENCLOSURE (CUTOUT) WITH COVER

Available in 1/2 & 3/4 pole model

Axiom plastic cutout (with cover) are a unique proposition to provide for additional protection of installed MCB's from dust, water & other foreign particles. The transparent cover provides for additional convenience of knowing the MCB position without the need to open it.



AUTOMATIC CHANGEOVER

An automatic changeover detects when a fault or restore occurs on the primary source and automatically switch between the two sources as needed. For example - It detects a power failure and automatically commands the generator to turn on, ensuring seamless power transfer between primary and secondary sources. They provide an uninterrupted power supply, protect equipment, and offer peace of mind in various applications.

Benefits

1. Instant automatic change over from the main supply to the generator supply and vice versa.
2. Genset is put off automatically when main power resumes.
3. It can operate in low voltage.
4. Fuel is saved due to auto stop facility.

TYPE	RATING
SPN	32A, 50A
TPN	63A, 100A

SALIENT FEATURES

- High accuracy relay equivalent to changeover rating.
- Each relay/circuit has Independent transformer to ensure uninterrupted supply even when one Phase is not working.
- Heavy duty original Eagleman relay used.



TPN

SPN

LV SWITCHGEAR

BUS BAR CHAMBERS

Three phase 415V Range - 63,100,200,300 & 400A

Busbar Chambers are the metallic copper strips, housed inside busway enclosures for high current power distribution and ensure straightforward network configuration. The main purpose of using is it to conduct a substantial current of electricity. Axiom busbar comes with unique step wise phase strips model providing convenience & ease of wiring for electricians while ensuring enough space for wires.



SALIENT FEATURES

- High grade electrolytic copper strips with tin plating ensures effective power distribution with minimum losses & heat.
- Unique Step wise model provide for ample space & ease of working
- Compact design, suitable for use in many different applications ranging from industrial to projects
- High strength CRCA sheet metal enclosure with corrosion resistance powder coating ensures longer life and high durability

IP 55 & IP 65 BOXES Single Phase Neutral (SPN)

Available in 5,8 & 12 Way

These IP rated DB are made of high quality engineered plastic material which ensures its reliability for outdoor usage or areas that require certain waterproof and dust-proof protection to prevent dust and water droplets from entering the distribution box. The IP55 rating protects from dust and moisture intrusion, while the IP65 rating offers higher protection from dry matter. IP65 rated items, however, have the same water resistance with the added bonus of absolute dust-tight protection.



IP55

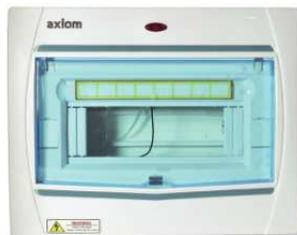


IP65

CROSS DB Single Phase Neutral (SPN)

Available in 6,9 & 13 Way

Made of high quality plastic cover and sturdy metal base, this distribution box is suitable for both flush and surface mounting. Axiom Cross DB comes in 2 unique designs with both having a transparent front so you can easily check circuit breaker state without the need to open it. It is easy to install and convenient to use, and offers great durability. Ideal for both home & commercial applications, it is widely used in housing societies.



Design 1



Design 2

(FOR MCCB)

Rotary handles are used to control the operation of MCCB through rotation control

RATING	CAT NO
63/100/125A	AX MCCBRT 63/100/125
160/200/250A	AX MCCBRT 160/200/250
315/400A	AX MCCBRT 315/400
630A	AX MCCBRT 630



Axilite - Redefining LED Lighting Excellence

Introducing **Axilite**, the new benchmark in LED lighting, brought to you by Axiom. Harnessing 21 years of excellence in manufacturing, Axilite is here to brighten every corner of your life with efficient, reliable and sustainable lighting solutions.

AXiL!TE

BY HOUSE OF **axiom**

We're proud to unveil Axilite, our dedicated brand for LED lighting solutions. Backed by Axiom's trusted expertise, Axilite delivers state-of-the-art technology to meet your every lighting need.

Axilite expertise in LED lighting solutions for residential, industrial and commercial applications.





LED BULB

The LED bulb is the cornerstone of Axilite’s LED lighting collection; known for its exceptional energy efficiency and long lifespan, it is the go-to choice for environmentally conscious individuals seeking to decrease their carbon footprint without compromising brightness.



SPECIFICATION	9, 12, 15, 18, 23 Watt
Housing	Plastic Housing
Power Factor	>0.95
Input Voltage	110-230V AC (50Hz)
Surge Protection	4KV
Base Type	B22 / E27
Color Rendering Index (CRI)	>80
Warranty	1.5 Year Warranty*
CCT	6500K / 4000K / 3500K
Lumens	100-110 Lm/W

*Except for 9watt bulb for which warranty will be 1 Year

SPECIFICATION	7 Watt
Housing	Plastic Housing
Power Factor	>0.90
Input Voltage	110-230V AC (50Hz)
Surge Protection	4KV
Base Type	Surface
Color Rendering Index (CRI)	>80
Warranty	2 Year Warranty
CCT	6500K / 4000K / 3000K
Lumens	100-110 Lm/W

LED CONCEALED LIGHTS (SURFACE)

Axilite’s surface Concealed LED Lighting is an innovative and versatile lighting solution. The combination of flexibility, LED technology, illumination quality, safety features, and operational efficiency makes the Axilite’s surface Concealed Lighting System a promising choice for various lighting applications in both residential and commercial settings.



SPECIFICATION	3, 7 Watt
Housing	Plastic Housing
Power Factor	>0.90
Input Voltage	110-230V AC (50Hz)
Surge Protection	4KV
Base Type	Recessed
Color Rendering Index (CRI)	>80
Warranty	2 Year Warranty
CCT	6500K / 4000K / 3000K
Lumens	100-110 Lm/W

LED CONCEALED LIGHT (Lens)

LED concealed light (lens) is designed specifically for focusing light. Axilite's concealed lights epitomise elegance and modernity. These sleek fixtures blend seamlessly into any interior, providing subtle and unobtrusive illumination to accentuate the beauty of your living spaces.



LED CONCEALED LIGHT (PC)

LED concealed light with a plastic body is generally lightweight compared to other materials. Axilite's concealed lights epitomise elegance and modernity. These sleek fixtures blend seamlessly into any interior, providing subtle and unobtrusive illumination to accentuate the beauty of your living spaces.



SPECIFICATION	5, 7 Watt
Housing	Plastic Housing
Power Factor	>0.90
Input Voltage	110-230V AC (50Hz)
Surge Protection	4KV
Base Type	Recessed
Color Rendering Index (CRI)	>80
Warranty	2 Year Warranty
CCT	6500K / 4000K / 3000K
Lumens	100-110 Lm/W

SPECIFICATION	7 Watt
Housing	Aluminium Housing
Power Factor	>0.90
Input Voltage	110-230V AC (50Hz)
Surge Protection	4KV
Base Type	Recessed
Color Rendering Index (CRI)	>80
Warranty	2 Year Warranty
CCT	6500K / 4000K / 3000K
Lumens	100-110 Lm/W

LED CONCEALED LIGHT (AL)

LED concealed lights with aluminum bodies, consider factors such as the fixture's design, finish, mounting options, and compatibility with the intended application. The aluminum body offers perfect corrosion resistance making it suitable for outdoor application as well.



HIGHER WATTAGE BULB

The high wattage range of LED bulbs is a perfect replacement for conventional CFLs. These lamps deliver 100 lumen/ watt. It lights up large areas while consuming less energy. This light weight, economical lamp is most suited for outdoor illumination requirements.



SPECIFICATION	30Watt	50Watt
Length	18mm	232mm
Width	100 mm 120 mm	
Thickness / Depth	86.29 mm	115.37 mm
Weight	204 gms	333 gms
Base	Aluminium/Nickel	Aluminium/Nickel
Print Details	Ref: Buyer's Specs.	Ref: Buyer's Specs.
ELECTRICAL PARAMETER		
Driver Type	Non Isolated Driver (HPF)	Non Isolated Driver (HPF)
InputPower(W)	30 ± 5%	40 ± 5%
Input Voltage (Vac)	100V-305V	100V-305V
InputCurrent (mA)	136 ± 5%	180 ± 5%
Power Factor	>0.95 ± 5%	>0.95 ± 5%
Output Current(mA) dc	560-600 mA	600-650 mA
Driver Efficiency(%)	90%	90%
Output Voltage(DC)	45V-48V	55V-60V
Operating Frequency(Hz)	50Hz	50Hz
Surge Protection	4KV Surge	4KV Surge
OPTICAL		
LED Type	SMD LED (2835) 1W / 6V	SMD LED (2835) 1W / 6V
LED Make	BMTC / Everstar	BMTC / Everstar
LED Lumen(lm/W)	>100	>100
No of LED	48 (8S6P)	60 (10S6P)
LED Driving Current (mA)±10%	150	150
System Luminous Flux(Lumen)±10%	3300	4400
Luminaire Efficacy (Lm/W)±10%	110	110
Color Temperature(K)±510K	6500K / 4000K / 3000K	6500K / 4000K / 3000K
CRI	>80	>80
LifeSpan(Hrs.)	>50000 Hrs	>50000 Hrs
Luminaire Angle(Degree)	>180	>180
ENVIRONMENTAL		
Working Temp. Range(°C)	10°C to +45°C	10°C to +45°C
Working Humidity Range	0-90%	0-90%
Storage Temperature	10°C to +50°C	10°C to +50°C
Storage Humidity	5 - 95%	5 - 95%
Certification	BIS	BIS
MECHANICAL		
IP Grade	IP44	IP44
Base	Alluminium / PC	Alluminium / PC
Diffuser/Glass	PC	PC
Glass Thickness	2.10 mm	2.84 mm
Horizontal/ Vertical Rotation Angle	90°	90°

SPOT LIGHT / COB

Axilite has introduced one of the most cutting-edge adjustable optics available, which ensures the product's eco-friendliness and durability. COB LED lights are compact along with feature shock resistance, enhancing the look of interior spaces in accordance with the international quality standards.



MODEL	LUMINAIRE				DRIVER						LUMINAIRE						
	Lumens	Efficiency (Lumens per watt)	CCT	CRI	Operating Voltage Range	Output Voltage	Output Current	T.H.D.	P.F.	Driver Efficiency	No Load voltage	Internal Surge	Over voltage / Under voltage protection		Output Short circuit protection	Output Open circuit protection	AC Isolation
													High cut off	Low cut off			
3W	150-300	75lm/watt	3000K, 4000K 6500K	>75	150 -270V	18V	270mA(max)	-	-	>75%	30V(max)	2.5KV	-	-	Yes	Yes	Yes
7W	450-600	75lm/watt	3000K, 4000K 6500K	>75	150 -270V	18V	270mA(max)	-	-	>75%	30V(max)	2.5KV	-	-	Yes	Yes	Yes
12W	1250-1450	90lm/watt	3000K, 4000K 6500K	>75	100 -300V	36V	380mA(max)	<15%	>0.9	>80%	54V(max)	2.5KV	-	-	Yes	Yes	Yes
15W	1250-1450	90lm/watt	3000K, 4000K 6500K	>75	100 -300V	36V	480mA(max)	<15%	>0.9	>80%	54V(max)	2.5KV	-	-	Yes	Yes	Yes
20W	1700-1900	90lm/watt	3000K, 4000K 6500K	>75	100 -300V	36V	650mA(max)	<15%	>0.9	>80%	54V(max)	2.5KV	-	-	Yes	Yes	Yes
30W	2600-2800	90lm/watt	3000K, 4000K 6500K	>75	100 -300V	36V	750mA(max)	<15%	>0.9	>80%	54V(max)	2.5KV	-	-	Yes	Yes	Yes

LED SPOT LIGHT

Axilite's 2W spotlights are the ideal choice for highlighting focal points, artwork, or architectural features with precision and elegance.



SPECIFICATION	1, 2 Watt
Housing	Plastic Housing
Power Factor	>0.50
Input Voltage	110-230V AC (50Hz)
Surge Protection	2.5KV
Base Type	Recessed
Color Rendering Index (CRI)	>80
Warranty	1 Year Warranty
CCT	6500K / 3000K / Red / Green / Blue / Pink
Lumens	100-110 Lm/W

LED DEEP COB LIGHT

COB illuminate your space with depth and brilliance of deep COB technology which offers focused and uniform illumination in sleek and recessed design creating a visually appealing focal point



SPECIFICATION	7, 12, 20 Watt
Housing	Aluminium Housing
Driver	Isolated Driver
Input Voltage	110-230V AC (50Hz)
Surge Protection	2.5KV
Base Type	Recessed
Color Rendering Index (CRI)	>80
Warranty	2 Year Warranty
CCT	6500K / 4000K / 3000K
Lumens	100-110 Lm/W

LED LIGHTING

LED DOWNLIGHTER (PANEL) ROUND / SQUARE RECESSED

Versatile and energy-efficient, Axilite's LED downlighters are designed to direct light downward, providing focused and efficient illumination. They are perfect for creating a warm & inviting ambience in residential and commercial settings.



SPECIFICATION	8, 12, 15, 20, 24, 32 W
Housing	Plastic Housing
Power Factor	>0.90
Input Voltage	110-230V AC (50Hz)
Surge Protection	4KV
Base Type	Recessed
Color Rendering Index (CRI)	>80
Warranty	2 Year Warranty
CCT	6500K / 4000K / 3000K
Lumens	110 Lm/W

SPECIFICATION	8,15, 20 Watt
Housing	Plastic Housing
Power Factor	>0.90
Input Voltage	110-230V AC (50Hz)
Surge Protection	4KV
Base Type	Surface
Color Rendering Index (CRI)	>80
Warranty	2 Year Warranty
CCT	6500K / 4000K / 3000K
Lumens	110 Lm/W

LED DOWNLIGHTER (PANEL) ROUND / SQUARE SURFACE

Versatile and energy-efficient, Axilite's LED downlighters are designed to direct light downward, providing focused and efficient illumination. They are perfect for creating a warm & inviting ambience in residential and commercial settings.



SPECIFICATION	5, 10, 20, 36 Watt
Housing	Plastic/Al Housing
Power Factor	>0.90
Input Voltage	110-230V AC (50Hz)
Surge Protection	4KV
Base Type	Wall Mount
Color Rendering Index (CRI)	>80
Warranty	2 Year Warranty
CCT	6500K / 4000K / 3000K
Lumens	110 Lm/W

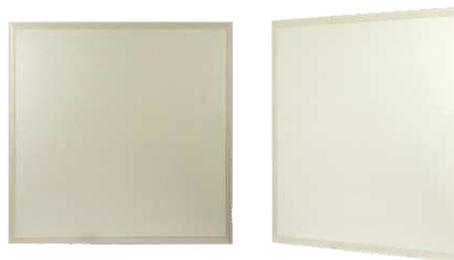
LED TUBE LIGHT (T5)

LED tube lights replace traditional fluorescent tubes and offer superior efficiency and longevity. Whether in offices, warehouses, or retail spaces, these tube lights provide reliable and consistent lighting.



DOWNLIGHTER 2 X 2 PANEL

With our selection of 2x2 LED flat panel light fixtures, you get the convenience of a flat panel to accommodate your ceiling type combined with the incredible power of LED lighting to replace fluorescent models. These flat 2x2 LED panel can be your perfect lighting option for commercial spaces



SPECIFICATION	36, 40 Watt
Length	595mm
Width	595 mm
Thickness / Depth	32 mm
Weight	1300 gms
Base	Alluminium
Print Details	Ref: Buyer's Specs.
ELECTRICAL PARAMETER	36, 40 Watt
Driver Type	Isolated Driver (HPF)
Input Power(W)	40 ± 10%
Input Voltage (Vac)	100V-305V
Input Current (mA)	180 ± 5%
Power Factor	>0.90
Output Current (mA) dc	650-700 m
Adriver E ciency(%)	90%
Output Voltage (DC)	55V-60V
Operating Frequency(Hz)	50Hz
Surge Protection	4KV Surge
OPTICAL	36, 40 Watt
LED Type	SMD LED (2835)1W / 9V
LED Make	BMTC / Everstar
LED Lumen(lm/W)	>100
LED Driving Current(mA)±10%	60
System Luminous Flux(Lumen)±10%	4400
Luminaire E cacy (Lm/W)±10%	110
Color Temperature (K)±510K	6500K / 4000K /3000K
CRI	>80
Life Span(Hrs.)	>50000 Hrs
Luminaire Angle (Degree)	>120
ENVIRONMENTAL	36, 40 Watt
Working Temp. Range(°C)	10°C to +45°C
Working Humidity Range	0-90%
Storage Temperature	20°C to +60°C
Storage Humidity	5 - 95%
MECHANICAL	36, 40 Watt
IP Grade	IP20
Base	Alluminium
Diffuser/Glass	PC
Glass Thickness	0.88 mm
Horizontal/ Vertical Rotation Angle	90°

LED LIGHTING

SPECIFICATION	5, 6, 10 Watt
Housing	Aluminium Housing
Power Factor	>0.50
Input Voltage	110-230V AC (50Hz)
Surge Protection	2.5KV
Color Rendering Index (CRI)	>80
Warranty	2 Year Warranty
CCT	3000K
Lumens	100-110 Lm/W

K-LIGHT HALF K-LIGHT

These fixtures are perfect for creating very defined effects of accent lighting. It offer a beautiful lighting effect on both top and bottom. Made in sturdy die cast aluminium they are weather resistant and perfect for outdoor application.



SPECIFICATION	12 Watt
Housing	Aluminium Housing
Driver	Isolated Driver
Input Voltage	110-230V AC (50Hz)
Surge Protection	2.5KV
Color Rendering Index (CRI)	>80
Warranty	2 Year Warranty
CCT	3000K
Lumens	100-110 Lm/W

4 DIRECTIONAL UP DOWN LIGHTS 4WAY

Axilite's four directional lights offer the flexibility of illuminating multiple areas simultaneously, making them perfect for accentuating various elements within a space.



CYLINDER LIGHTS

Cylinder lights, in general, are known for their elegant design and ability to provide both ambient and directional lighting. The Axilite Cylinder Light, with its beautiful glow emanating from the vents and the downlight, is an appealing addition to any space.



SPECIFICATION	7, 12 Watt
Housing	Aluminium Housing
Power Factor	>0.50
Input Voltage	110-230V AC (50Hz)
Surge Protection	2.5KV
Color Rendering Index (CRI)	>80
Warranty	2 Year Warranty
CCT	3000K
Lumens	100-110 Lm/W

LED LIGHTING

SPECIFICATION	20, 30 Watt
Housing	Aluminium Housing
Power Factor	>0.50
Input Voltage	110-230V AC (50Hz)
Surge Protection	2.5KV
Color Rendering Index (CRI)	>80
Warranty	2 Year Warranty
CCT	6500K / 4000K / 3000K
Lumens	100-110 Lm/W

TRACK LIGHT

Axilite's track lights are designed for versatility and flexibility. With adjustable fixtures that can be moved along the track, these lights are perfect for illuminating specific areas or creating dynamic displays in galleries and retail spaces.

They're perfect for lighting artwork, photos, or general display and can be used in the home, retail outlets and offices.



LINEAR LIGHT

Linear lights are elongated light fixtures that produce a long, narrow beam of light. They are a popular choice for both residential and commercial applications, as they provide a sleek, modern look and can be used for a variety of purposes.

TYPE	RATING
4 Feet	36 Watt
8 Feet	60 Watt



SPECIFICATION	2WAY, 4WAY, 6WAY
Housing	Aluminium Housing
Driver	Isolated Driver
Input Voltage	110-230V AC (50Hz)
Surge Protection	2.5KV
Color Rendering Index (CRI)	>80
Warranty	2 Year Warranty
CCT	3000K
Lumens	100-110 Lm/W

UP DOWN WAY LIGHT

Axilite's Up-Down Lights, belong to the wall washer light category. The variety of designs and patterns available in Axilite's Up-Down Lights allows homeowners and designers to choose fixtures that not only provide the desired lighting effects but also complement the overall decor and style of the room on outdoor area.



LED LIGHTING

LED STRIP LIGHT

Axilite LED strip light are a new flexible and versatile form of lighting offering variable colour and brightness. They come in 5m length and can be cut to size as per requirement and include double side adhesive for mounting.



MODEL	LUMINAIRE				DRIVER					LUMINAIRE							
	Lumens	Efficiency (Lumens per watt)	CCT	CRI	Operating Voltage Range	Output Voltage	Output Current	T.H.D.	P.F.	Driver Efficiency	No Load voltage	Internal Surge	Over voltage / Under voltage protection	Output Short circuit protection	Output Open circuit protection	AC Isolation	
1A	300 lm/meter	50 lm/watt	3000K, 4000K, 6500K (Red, Blue, Green)	>75	100V - 300V	12V	1A (max)	-	-	-	14V (max)	2.5KV	-	-	Yes	Yes	Yes
2.5A	800 lm/meter	70 lm/watt	3000K, 4000K, 6500K (Red, Blue, Green)	>75	100V - 300V	12V	2.5A (max)	-	-	-	14V (max)	2.5KV	-	-	Yes	Yes	Yes

SPECIFICATION	30, 50, 100, 150, 200 Watt
Housing	Aluminium Housing
Power Factor	>0.95
Input Voltage	110-230V AC (50Hz)
Surge Protection	6 KV
Base Type	Mounting
Color Rendering Index (CRI)	>80
Warranty	2 Year Warranty
CCT	6500K / 3000K
Lumens	100-110 Lm/W

LED FLOOD LIGHT

NORMAL / PREMIUM / LENS

Axilite's flood lights offer powerful illumination, making them suitable for outdoor spaces, security purposes, and enhancing safety in poorly lit areas. They are often used to illuminate outdoor fields, for example, outdoor sports, Stadium, wedding venues, farm houses and many such areas.



LED STREET LIGHT

Axilite's LED street lights provide a sustainable alternative to traditional street lighting. With improved visibility, reduced energy consumption, and extended lifespans, they are an intelligent choice for cities and municipalities.



SPECIFICATION	30, 50, 100 Watt
Housing	Aluminium Housing
Power Factor	>0.95
Input Voltage	110-230V AC (50Hz)
Surge Protection	6KV
Base Type	Pole Mount
Color Rendering Index (CRI)	>80
Warranty	2 Year Warranty
CCT	6500K
Lumens	100-110 Lm/W

LED LIGHTING

SPECIFICATION	150, 200, 300, 400, Watt
Housing	Aluminium Housing
Power Factor	>0.95
Input Voltage	110-230V AC (50Hz)
Surge Protection	6 KV
Base Type	Mounting
Color Rendering Index (CRI)	>80
Warranty	2 Year Warranty
CCT	6500K
Lumens	100-110 Lm/W

LED MODULE LIGHT

Axilite's module flood light offer unique flexible module of 50 w, which can be combined together to offer illumination upto 400w. Aesthetically designed to provide you with superior finish modules which can be used as per client's requirement



LED HI-BAY LIGHT

Axilite's hi-bay LED lights cater to high-ceiling applications, such as warehouses and manufacturing facilities, providing bright and uniform illumination for increased productivity.



SPECIFICATION	100, 150, 200 Watt
Housing	Aluminium Housing
Power Factor	>0.96
Input Voltage	110-230V AC (50Hz)
Surge Protection	6KV
Base Type	Hanging
Color Rendering Index (CRI)	>80
Warranty	2 Year Warranty
CCT	6500K
Lumens	100-110 Lm/W

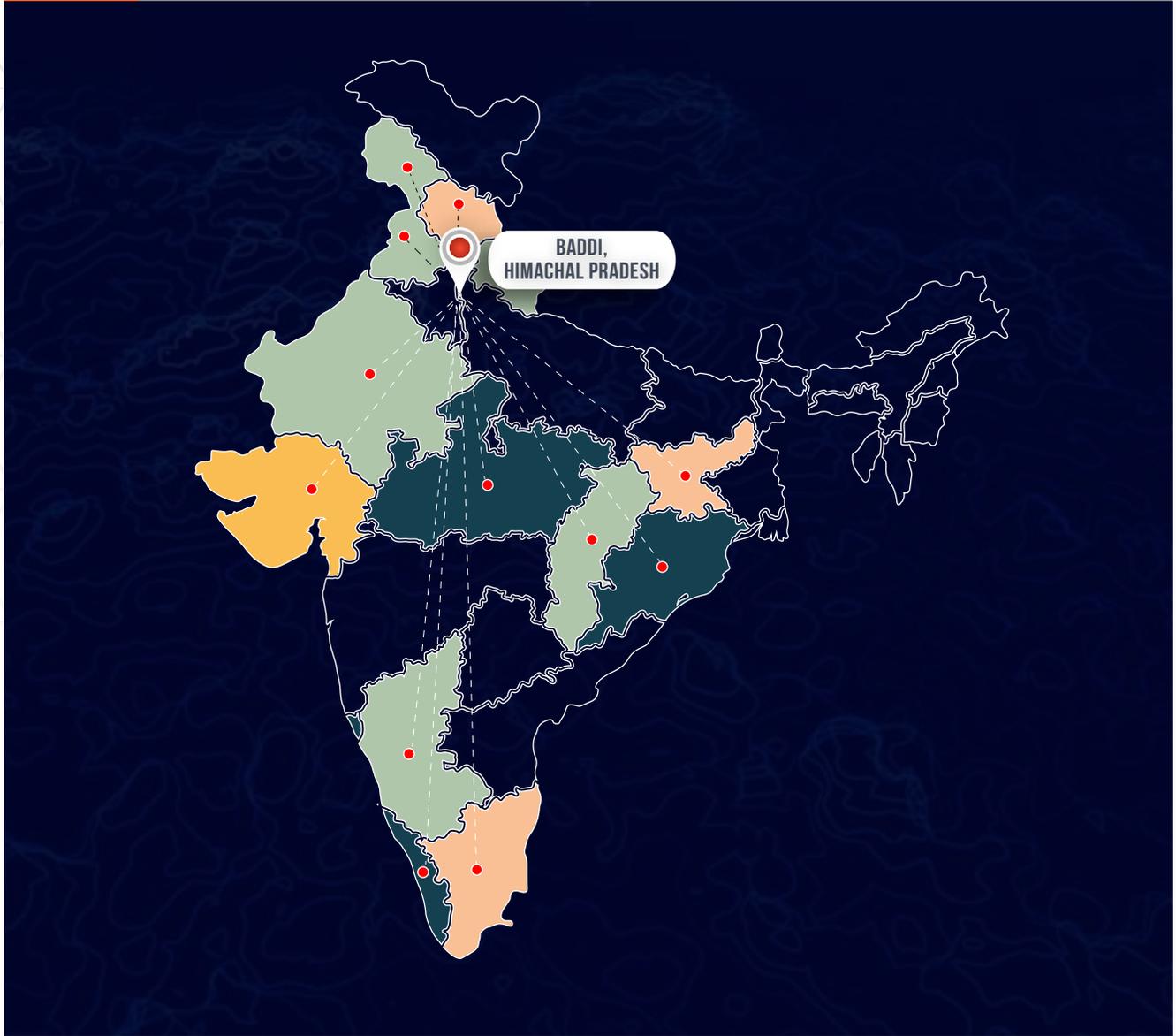
LED SOLAR STREET LIGHT



Remote

LED	56 LED 5730 EPISTAR	112 LED 5730 EPISTAR	168 LED 5730 EPISTAR	224 LED 5730 EPISTAR	336 LED 5730 EPISTAR
LED POWER	30W	60W	90W	120W	180W
SOLAR PANEL	5V 4W	5V 7W	5V 9W	5V 13W	5V 18W
BATTERY	3.2V 5A LiFePo4	3.2V 10A LiFePo4	3.2V 15A LiFePo4	3.2V 20A LiFePo4	3.2V 25A LiFePo4
CHARGING TIME	7-8 Hrs	7-8 Hrs	7-8 Hrs	7-8 Hrs	7-8 Hrs
LIGHTING TIME	1 Night	1 Night	1 Night	2 Nights	2 Nights
LIGHT COLOUR	COOL WHITE	COOL WHITE	COOL WHITE	COOL WHITE	COOL WHITE
POLE DIA	40mm	50mm	50mm	50mm	50mm
SIZE (mm)	300x210x60	395x205x60	500x235x65	635x255x70	820x245x75
SENSOR	<ul style="list-style-type: none"> Optically 10% brightness at the very beginning 15% brightness if no movement for 30 sec. Radar sensor 100% brightness Keep on 15% brightness if no movement 				
REMOTE	<p>OFF: Switch off light completely. Dawn to Dusk also off. ALWAYS: Motion sensor off. Dawn to Dusk working.</p> <p>INDUCTION: Auto mode working with motion sensor. Dawn to Dusk working.</p> <p>2H: Motion sensor off for 2 hours. After 2 hours induction mode. Dawn to Dusk working.</p> <p>4H: Motion sensor off for 4 hours. After 4 hours induction mode. Dawn to Dusk working.</p> <p>6H: Motion sensor off for 6 hours. After 6 hours induction mode. Dawn to Dusk working</p>				

NETWORK INDIA



NETWORK OVERSEAS



OUR CLIENTS



OUR INDIAN GOVT APPROVALS

BEL (BHARAT ELECTRONICS LIMITED)

PWD HARYANA

CPWD CHANDIGARH

PWD CG BILASPUR

PWD TN CHENNAI

PWD UK DEHRADUN

PWD HR KARNAL

PWD UP LUCKNOW

PWD MP BHOPAL

PWD HP SHIMLA

HIMUDA HP SHIMLA

RNN UP LUCKNOW

PWD CG RAIPUR

INDIAN RAILWAYS WESTERN & SOUTHERN

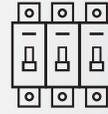
ELECTRIFICATION OF YOUR HOUSE/FACTORY/OFFICE

POINTS TO REMEMBER

- » No. of circuits should be selected in such a way that the load variations on each circuit during the day are not significant. For heavy load equipment/ appliances, individual MCB should also be provided.
- » Current carrying capacity of all the elements of the circuit should be matching. For example, if the total installed load in a circuit is 16 Amp, then rating of MCB should be 16 Amp and wire size (2.5 sq mm) should also be selected accordingly. Otherwise MCB will not serve the required purpose. If higher rating MCB is installed in this circuit, it will not provide overload protection.
- » Quality of the material used in the circuit is equally important. If the quality of even one material, say wire, is sub-standard, it will reflect on the performance of other parts of the circuit like MCB which may otherwise be of very good quality. For example, in case of short circuiting, poor quality wire will burst/ burn out first before the MCB trips.
- » Function of RCCB is to give protection against any leakage of current, which may result in electric shock. Whereas MCB is safety switchgear for protection against short circuit and overload. Therefore both the safety devices should be installed for fool proof safety.
- » If MCB frequently trips, it is an indication of fault in the circuit. In such a situation, you should immediately call an expert electrician to rectify the fault.
- » Loose connections result in sparking which may damage the switchgear / prove hazardous. Therefore the wire connections should be tight (no loose strands) and preferably be made by using lugs/thimbles.
- » 'B' category MCB is used for heating load (geysers, heaters) in the circuit whereas 'C' category MCB is used for inductive load (motor, air conditioners). Selection of wrong category MCB will adversely affect its performance.
- » The electric installations should be protected from rain water/dust to avoid damage and to ensure safety.
- » All Electricals equipments should be properly earthed.



Scan to download Brochure



LV SWITCHGEAR



LED LIGHTS



axiom
POWER IN SAFE HANDS

AXIOM CONTROLS PVT LTD

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