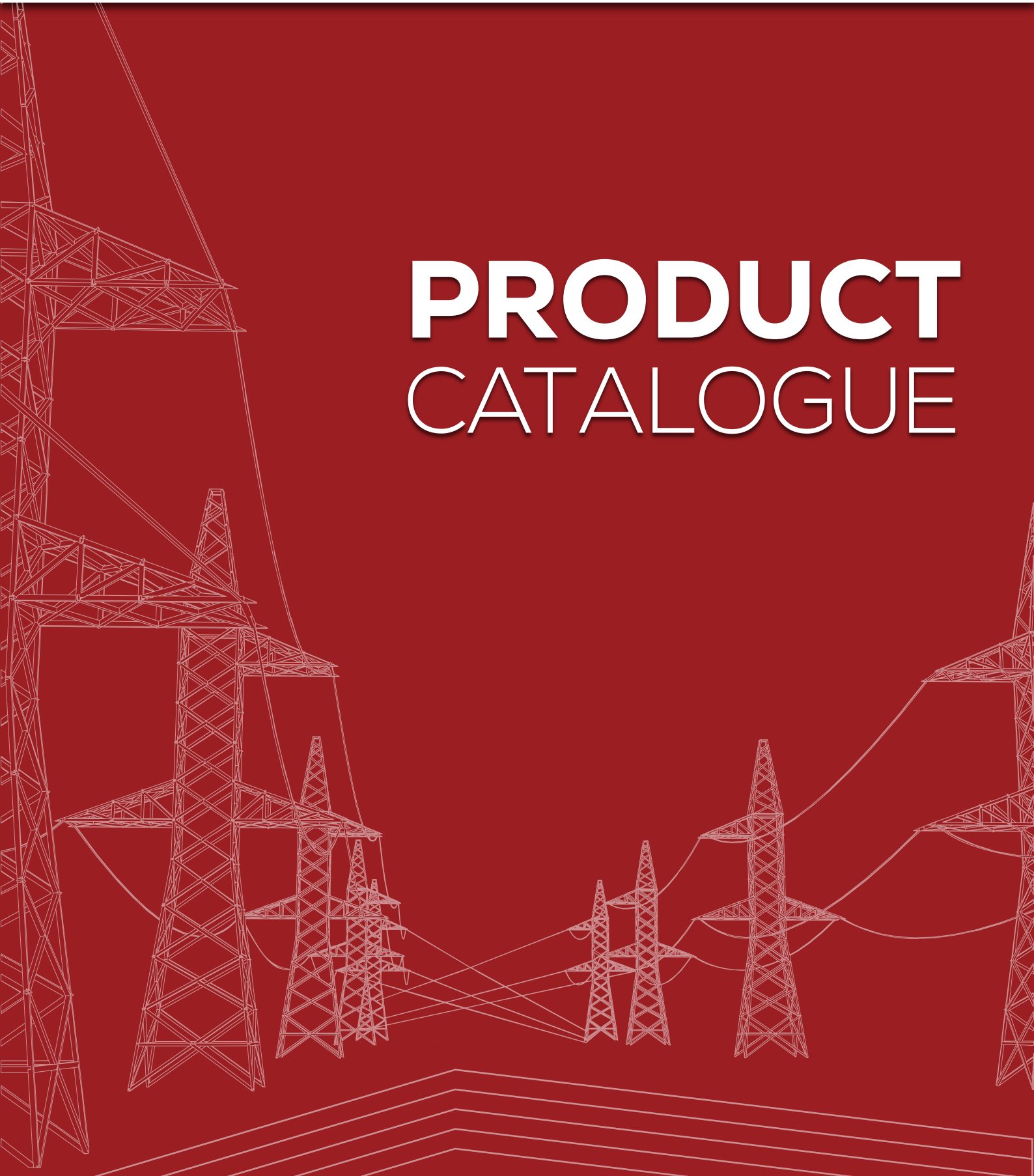


www.arctechnologybd.com



PRODUCT CATALOGUE



About Us

ARC TECHNOLOGY



Power shouldn't be complicated. At Arc Technology, we make dependable power simple and practical. We supply various essential substation components from MCBs, MCCBs, contactors, power supplies, to large air and vacuum circuit breakers, sourced from trusted manufacturers. We also inspect and test each and every components before delivery for maintaining and providing high quality products. Whether you're updating a residential distribution board or managing a large industrial substation, our goal is to provide the right parts that last, reduce installation costs, and keep systems safe and efficient.

We don't just supply products. Our team helps you choose the right equipment, plan orders, and speed delivery so your projects stay on schedule. We keep communication straightforward, pricing fair, and warranties simple so you can make confident decisions without technical jargon. We also stock common spare parts locally, offer training for onsite teams, and can tailor solutions for special project needs to make sure your work is completed smoothly and safely. Reach out to us to discuss your next project or request a quote today.

Mohiuddin

Engr. Mohiuddin Ahamed

Founder & CEO



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Factory: Eastern Housing,
Mirpur-12, Dhaka-1216



MINIATURE
CIRCUIT BREAKER M
C
B
ABB / SCHNEIDER ELECTRIC

Pole	.....	1P, 2P, 3P, 4P
Rated Current (In)	.....	1A to 63A
Rated Voltage (Ue)	.....	230/400V AC
Breaking Capacity (Icn)	.....	6kA, 10kA
Tripping Curve Types	.....	C Curves
Frequency	.....	50/60 Hz
Mounting	.....	DIN Rail



MOLDED CASE
CIRCUIT BREAKER

MCCB

ABB / SCHNEIDER ELECTRIC

Pole	.....	3P, 4P
Rated Current (In)	.....	16A to 1600A
Rated Voltage (Ue)	.....	440V AC
Breaking Capacity (Icu)	.....	18/25/36/50/70 kA @ 415 V AC
Tripping Unit	.....	Thermal magnetic Release/Electronics
Frequency	.....	50/60 Hz
Mounting	.....	Screw-Bolt



MAGNETIC CONTACTOR M
C

ABB / SCHNEIDER ELECTRIC

Pole	.....	3 Pole
Rated Current (In)	.....	9A to 800A
Rated Voltage (Ue)	.....	440V AC
Utilization Category	.....	AC-1, AC-3
Auxiliary Contacts	.....	1 NO/1 NC
Frequency	.....	50/60 Hz
Coil Voltage	.....	24/110/220/415V AC



MPCB

MOTOR PROTECTION
CIRCUIT BREAKER

ABB / SCHNEIDER ELECTRIC

Rated Voltage (Ue)	.....	415V AC
Rated Current (In)	.....	0.4-0.63A to 48-65A
Capacity	.....	0.25 to 37kW
Frequency	.....	50/60Hz
Breaking Capacity (Icu)	.....	100kA @ 400V



THERMAL
OVERLOAD RELAY

T
O
R

ABB / SCHNEIDER ELECTRIC

Rated Voltage	.....	415 VAC
Rated Current Input	.....	0.10-0.16A to 380-360A
Rated Power	.....	0.06-75 kW
Reset Mode	.....	Manual or Automatic
Frequency	.....	50/60 Hz



RESIDUAL CURRENT CIRCUIT BREAKER

RCCB

ABB / SCHNEIDER ELECTRIC

Pole	.....	2P, 4P
Rated Current (In)	.....	25-63 A
Rated Voltage (Ue)	.....	440 VAC
Frequency	.....	50/60 Hz
Sensitivity	.....	30/100/300 mA



MULTIFUNCTION
METER (MFM)

ABB / SCHNEIDER ELECTRIC

Voltage Input	.....	(277-347)V L-N & (480-600)V L-L
Current Input	.....	5 mA-6 A, ~12A
Frequency	.....	50/60 Hz
RS-485 Modbus	.....	1 port, up to 32 devices
Measurement categories	.....	CAT III, CAT II
Environmental	.....	-25 °C to +70 °C



DOL STARTER

ABB / SIEMENS

Control Voltage	.....	220-400 VAC
Operational Current	.....	0.54-0.8A to 12-16A
Frequency	.....	50/60 Hz
Environmental	.....	-5 °C to +40 °C
Protection	.....	IP54 – IP65



PUSH BUTTON SWITCH INDICATING LAMP SELECTOR SWITCH EMERGENCY STOP SWITCH

We supply 22 mm front-of-panel operator devices—push buttons, pilot lamps, selector switches, and mushroom emergency stops—from ABB/Schneider and equivalent brands. Modular NO/NC contact blocks with captive-screw or spring terminals simplify wiring; long-life LED lamps (typically 24 V AC/DC, other voltages available) ensure clear status. Selector switches are available in maintained or momentary versions (keyed options). The emergency stop is twist-to-release with positive-opening contacts. All devices feature rugged bezels, IP65/66 front protection, clear color coding, and compliance with IEC 60947-5-1 and 60947-5-5.



POWER SUPPLY

ABB / SCHNEIDER ELECTRIC

Rated Voltage	.....	100–240 VAC / 24 VDC
Rated Current	.....	2.2A to 15A
Efficiency	.....	88–93%
Frequency	.....	50/60 Hz
Form Factor	.....	Panel Mounting, DIN-Rail



AIR CIRCUIT BREAKER (ABB) A C B

Pole	.....	3P, 4P
Rated Current (In)	.....	630 A to 6300 A
Rated Voltage (Ue)	.....	440 VAC
Breaking Capacity (Icu)	.....	66/100/150 kA @ 440 V AC
Tripping Unit	.....	Electronic
Frequency	.....	50/60 Hz
Type	.....	Fixed/Withdrawable



VACUUME CIRCUIT
BREAKER (ABB) V
C
B

Pole	.....	3P
Rated Current (In)	.....	630-1250 A
Rated Voltage (Ue)	.....	11 kV AC
Breaking Capacity (Icu)	.....	25/32/ kA @ 440 V AC
Tripping Unit	.....	Electronic
Frequency	.....	50/60 Hz
Type	.....	Fixed/Withdrawable



SURGE PROTECTIVE DEVICE

ABB / SCHNEIDER ELECTRIC

SPD

Poles	.....	3P+N / 1P+N
System Voltage	.....	230/400 VAC
Discharge Ratings	.....	In = 20 kA, Imax = 40 kA
Frequency	.....	50/60 Hz
Response Time	.....	≤25 ns
IP Rating	.....	IP20
Mounting	.....	DIN-Rail (35 mm)



CAPACITOR

ABB / SCHNEIDER ELECTRIC

Rated Voltage	.....	415/440/480/525 VAC
Reactive Power	.....	5 to 50 kVAR
Rated Current	.....	34.8 A @415V & 65.6 A @440V
Frequency	.....	50/60 Hz
Capacitance	.....	-5% / +10%
Internal Safety	.....	<50 V in ≤60 s



LOW TENSION (LT) SWITCHGEAR

ARC Technology supplies a modular, floor-standing, compartmentalized assembly LT switchgear for low-voltage power distribution and motor control. It supports ACB/MCCB incomers, MCC/feeder outgoings, APFC/AMF/ATS options, and full metering & protection. Built to IEC 61439 with high short-circuit withstand, copper busbars, and IP-rated enclosures for safe, reliable operation in commercial and industrial plants.



HIGH TENSION (HT) SWITCHGEAR

The HT switchgear of ARC Technology is a metal-clad, air-insulated VCB panel system for primary distribution. It provides safe switching, protection and metering for 11 kV/33 kV networks with draw-out vacuum circuit breakers, type-tested to IEC 62271. The lineup supports incomer/feeder/coupler schemes, numeric relays, and full mechanical-electrical interlocks with internal arc protection options.



MECHANICAL CHANGE OVER SWITCH

M
C
O
S

Built for tough duty, this mechanical changeover switch gives safe, manual Mains to Generator transfer with clear I-O-II positions and a positive interlock that prevents both sources from closing together. Silver-alloy contacts reduce heating and extend life, while the front handle is padlockable for safe isolation. Offered in 3P/4P for panel or door mounting with optional auxiliary indication and IP-rated enclosures, conforming to IEC 60947-3.



MAIN DISTRIBUTION BOARD (MDB)

ARC Technology's Main Distribution Board (MDB) is a modular, floor-standing LV switchboard engineered to IEC 61439-1/2, designed for reliable 415 V distribution. It supports ACB/MCCB incomers with full metering and protection, copper busbars with high short-circuit withstand, and segregated feeder compartments for safer maintenance. Options include ATS/AMF, APFC steps, surge protection, and door-mounted HMIs—housed in a powder-coated, IP-rated enclosure sized for today's loads and future expansion.



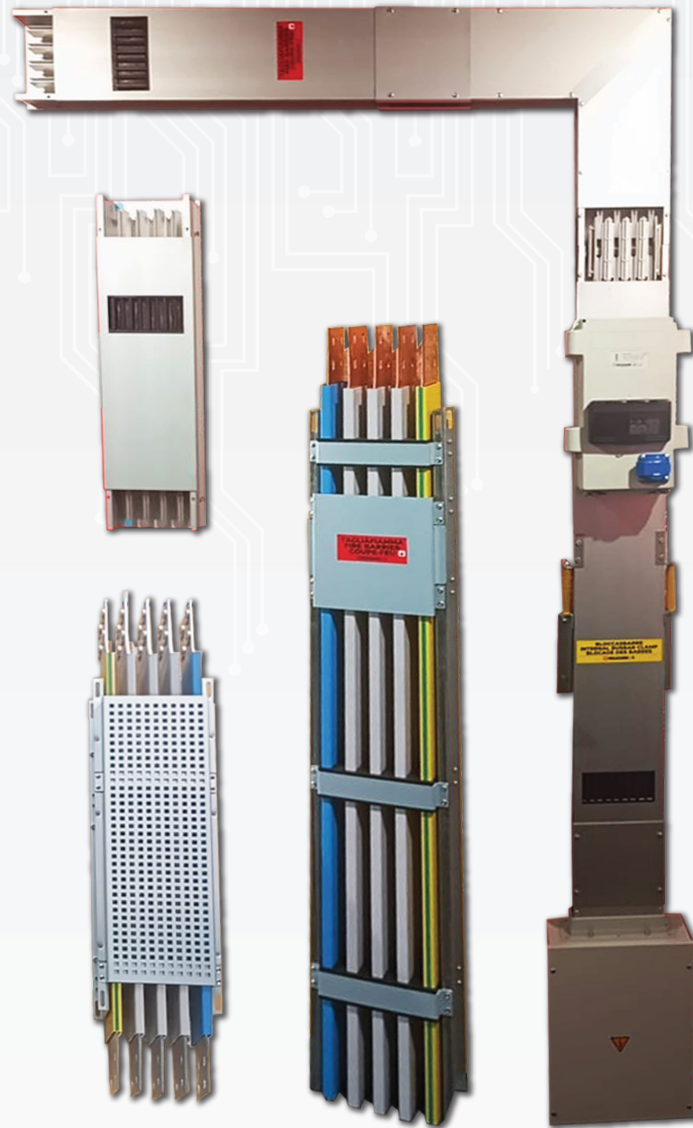
MOTOR CONTROL CENTER (MCC)

Compact and panel-mounted, our motor controller delivers reliable starting and protection in DOL, star-delta, soft-starter, or VFD configurations. It combines coordinated contactor + overload protection, short-circuit defense, and clear fault/status indication with lockable local/remote control. Pre-wired terminals and clear labeling speed installation, while optional metering, PLC/SCADA I/O, and IP-rated enclosures suit industrial duty—built to IEC 60947.



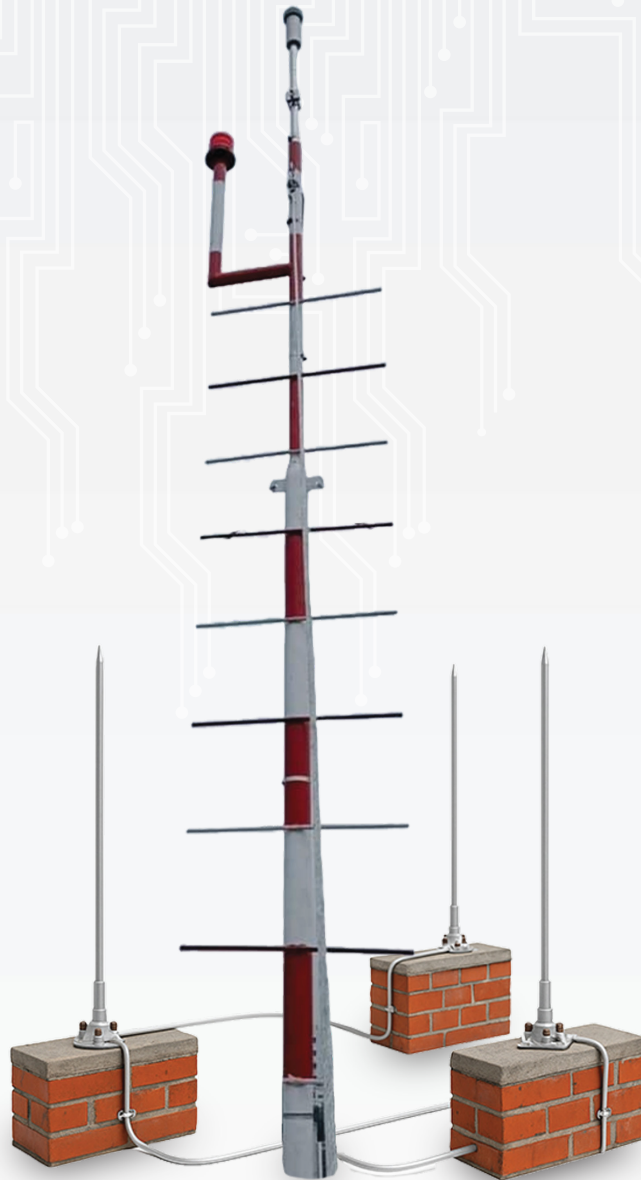
POWER FACTOR IMPROVEMENT PLANT

ARC Technology's PFI (Power Factor Improvement) Plant is an automatic capacitor bank system that maintains target PF on 415 V networks. It uses low-loss self-healing capacitors, detuned reactors for harmonics, and a microprocessor relay with duty contactors/thyristors for fast, transient-free switching. Built to IEC 61921/60831, it includes kW/kVAR metering, safety protections, discharge resistors, and ventilated, lockable enclosures.



BUS BAR TRUNKING (BBT) SYSTEM

ARC Technology delivers turnkey Busbar Trunking System (BBT) services—design, supply, installation, testing, and commissioning—for low-voltage distribution. We provide copper or aluminum, air or sandwich types from 25 A to 6300 A, with coordinated fault/voltage-drop studies and BIM-ready routing. Tap-off boxes, risers, elbows, expansion joints, and fire-rated sections are configured for fast installation and future upgrades. Systems meet IEC 61439-6, with IP55/IP66 options, and include as-built drawings, test reports, and O&M handover.



LIGHTNING PROTECTION SYSTEM LPS

Shield your facility from lightning and switching surges with a complete protection scheme engineered, installed, and certified by our team. Designs follow IEC/EN 62305 (NFPA 780 on request) with air terminals or mesh/ESE, down conductors, equipotential bonding, and a dedicated earth grid using exothermic joints and corrosion control. Surge protection is coordinated per IEC 61643 at the service entrance and downstream boards. Deliverables include soil resistivity reports, test logs, maintenance plan, and as-built documentation.



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