



Industrial Electrical Distribution & Automation

CONNECTING TO THE POWER

Power Controls, Switches & Breakers
Power Factor Equipment
Motor Protection & Measuring Instrument
Factory Automation Products
High Voltage & Low Voltage Component

PRODUCT CATALOGUE



Automation & control sales dept. / Hotline : +880 1715 198 443
Breaker & switchgears sales dept. / Hotline : +880 1711 548 558

Headquarter / E-mail: alobitan1@gmail.com
[http:// www.alobitanbd.com](http://www.alobitanbd.com)

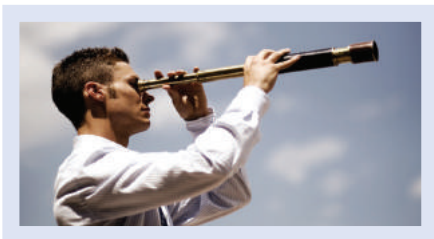
ABOUT US

Alo Bitan is a power and electrical engineering companies in Bangladesh Since 1993. We have a group of professionally experienced engineers for solution of motor control panel, power distribution and factory automation equipment's Switch Gear, Metering, Measurement, PLC (Programmable logic controller), Inverter/VFD (Variable Frequency Drive).

Alo Bitan is an authorized sole-agent and distributor of some world famous Brand in Bangladesh among them **Hitachi Industrial Equipment System Co. Ltd., Japan** and **Shihlin Electric & Engineering Corp., Taiwan**. Alo Bitan has already setup a reputed brand image in the consumers mind over 24 years successful operation in Bangladesh.

Our belief one satisfied client leads to another & a pro-active multi discipline & constructive approach has added much to growing list of clients & stablishment of long lasting business relation as a trustworthy partner for growth.

It will always be a advantage for us to give our very best in offering value-added services with essential stock of equipment, accessories & above all-a realiable, trusted & dependable work force.



VISION

To be and remain continually offers update solusion to our valued clients in the Industrial power controll & automation sector in Bangladesh.



MISSION

To be a global solution provider to many and OEMs that require least man-machine interface, minimal downtime and comprehensive solution in there factories / plants thus contributing to economic growth all around.

CORE VALUE



AUTHORIZED SOLE DISTRIBUTOR



MAIN PRODUCT :

MOTOR CONTROL (CONTACTOR / MS / MMS)
 CIRCUIT BREAKER (MCCB / MCB / ELCB / EMCCB)
 AIR CIRCUIT BREAKER , VACUUM CIRCUIT BREAKER, LOAD BREAK SWITCH (LBS)
 AUTOMATIC TRANSFER SWITCHES (Panel Board Type / Residential Unit Use)
 SURGE PROTECTIVE DEVICE, LOW VOLTAGE POWER CAPACITOR, SMART METER,
 HIGH VOLTAGE EQUIPMENTS (LBS / VCB / IDMT RELAY / HT CT / HT PT)
 FREQUENCY INVERTER, PLC, HMI, SERVO MOTOR
 MOTOR PROTECTION RELAY & ELECTRONICS MEASURING INSTRUMENTS.
 SUB-STATION EQUIPMENTS HT & LT Switchgear, PFI Plant, MDB & SDB Panel.

AN ELABORATE OVERVIEW

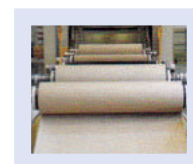
Our experience on industries in the core sector that include:



RICE PLANT
AUTOMATION



FOOD &
BEVERAGES



PULP &
PAPER



CEMENT



WIRE &
CABLE



METAL



LIFT &
HOISTS



PRINTING &
PACKAGING



TEXTILES

Hitachi Variable Frequency Drive



SJ700 Series

High Performance Inverter with High Starting Torque and Built-in Programming Function

SJ700B Series

Advanced Industrial Inverter for Fan, Pump & Conveyor applications, Built-in Programming Function with VT, CT, SLV Control modes



NJ600B Series

Cost Effective Inverter with High Starting Torque, Easy Operation and Smooth Performance

WJ200 Series

Dual Rating Inverter for VT/CT application. Capable of Driving IM/PM Motors with Integrated Braking Circuit



NE-S1 Series

Economical Inverter With Simple Operating to realize Optimal Performance for Energy Saving Application



X200 Series

Simple, Trip-less and Eco-friendly Compact Inverter with Integrated EMC Filter

HITACHI
Inspire the Next

Headquarter
<http://www.hitachi-ies.co.jp>



Alo Bitan
Industrial Electrical Automation

Hitachi Low Voltage Components

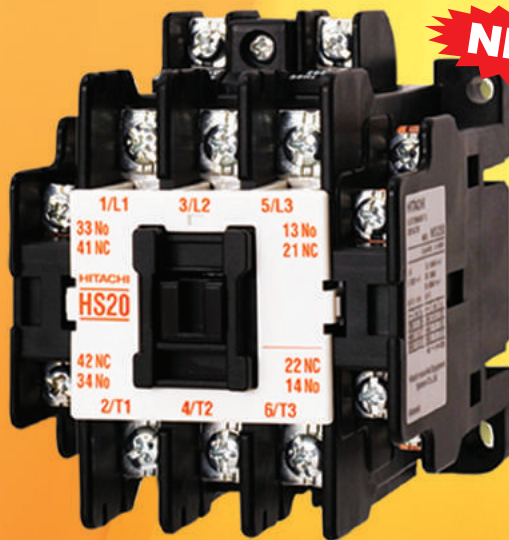
MCCB
15~4000A
100% ICU=ICS



NEW

MAGNETIC CONTACT

HS Series
9A~50A (New)
H Series
9A~800A



Thermal Overload Relay

TR12B~TR600B
Range : Upto 600A



MCB
1A-63A (6kA, 10kA)

ELCB
40A-63A
(30mA, 100mA, 300mA)



ACB
AKN/AKS
630A-6300A
(65kA -120kA)



IEC
STANDARD

Hitachi Industrial Equipment System Co., Ltd.



Shihlin Electric

<http://circuit-breaker.seec.com.tw>

E-mail: b.export@seec.com.tw



Alo Bitan

Industrial Electrical Automation



Air Circuit Breaker



Molded case circuit breaker
Earth leakage circuit breaker



Miniature Circuit Breaker



Manual Motor Starter

Circuit Protection, Switching & Power Controls

Low Voltage Power Distribution & Control

Shihlin Electric, the leading electric company in Taiwan, and also the OEM/ODM partner with world well-known manufacturers, offers the reliable and durable high quality products that ensure the stable power system, energy safe, efficiency and excellent control.

The product designed complies with IEC, an international standard, and the product range covers all users' demands.

Main Products

- * Air Circuit Breaker: In 630-6300A, Icu 85-230kA@380V
- * Molded Case Circuit Breaker: 30-1600AF, In 3-1600A, Icu 1.5-100kA@380V
- * Earth Leakage Circuit Breaker: 50-800AF, In 15-800A, Icu 7.5-100kA@380V
- * Miniature Circuit Breaker: In1-63A, Icu 4.5/6/10kA, Din-Rail Installation, NEMA Type also available.
- * Residual Current Circuit Breaker: In 1-63A, Icu 4.5/6kA, with over current protection.
- * Magnetic Contactor / Switch: 3-315kW@440V, TOR: 0.13-500A
- * Manual Motor Starter: In 0.16-32A (Toggle/Rotary Type)
- * Automatic Transfer Switches: In 100-1600A, Icu 15-100kA (Residential Type Available)
- * Surge Protective Device: Imax 20/40/80/100/250kA (8/20 s)
- * Digital Power Meter: Power/current measuring, system monitoring.



Power Capacitor



Motor Starter



Magnetic Contactor



No.1 ELECTRIC COMPANY in TAIWAN

Shihlin Electric provides Global Power Solutions

Over 50 years experience Shihlin Electric Products are in service worldwide.

Shihlin Electric Light Up Taipei 101,
One Of World Tallest Buildings



Inverter



Human Machiner Interface

Factory Automation Products

Shihlin Electric Factory Automation products bring higher productivity and quality to the factory floor, making its products # 1 in Taiwan.

* Diverse Product Lineup: As a leading manufacturer of Factory Automation systems and partner with Mitsubishi Electric, our product line enables us to satisfy Customer's needs for various applications.

* Leading-edge Production: Quality and High-efficiency manufacturing systems provide our Customers with safe, durable, and competitive products.

* solutions provider: Shihlin electric is your consultant to choosing the right automation for your productivity goals.

Major Products:

* Inverters, AC Drives, Motion Controllers, Temperature Controller, Human Machine Interfaces, AC Servo Motors, PLC.



PFR 120 / 60

Power Factor Regulator

Complies With IEC 61000-6-2 Standard



MK 2200

IDMT Relay

RS485 Modbus-RTU



MU 250

Voltage Control Relay

Din Rail Type



MK 1000

IDMT Relay

96x96mm IP54 Standard



40S



60S



80S



120S

ZCT

40S 60S 80S 120S

Zero Phase Current Transformer



DPM 380

Digital Power Meter

Modbus RTU Communication



PFR LCD
Power Factor Regulator
Dot Matrix LCD Display.



MX 100
Phase Sequence &
Phase Failure Relay



MX 200
Under & Over
Voltage Relay



AN 112 / 120 / 128
Programmable Alarm Annunciator
12, 20 or 28 Windows



DIN 300
Earth Leakage Relay



MK 201A
Earth Fault Relay



Low Voltage Power Factor
2.5Kvar to 50Kvar
Dry Type Air Cooling



UNITED MS ELECTRICAL MFG. (M) SDN.BHD. (65814-V)

Lot 5, Batu 17^{1/2}, Jalan Ipoh, Rawang Industrial Estate, 48000 Rawang, Selangor, Malaysia.
Website : <http://www.unitedms.com.my>



SPECIFICATION

- Number of Poles. 1P, 2P, 3P
- Rated Current (A): 2, 6, 10, 16, 20, 25, 32, 40, 50, 63,
- Breaking Capacity (A): 6000, 4500
- Rated Voltage (A): 230/400
- Rated Frequency: 50/60Hz
- Endurance: 1-32A 20,000 Operations 40-63A 10,000 Operations
- Rated Capacity of short circuit breaking 6kA
- Circumstance Temperature : -5 C ~ +40 C
- Electrical Life: no less than 6000 operations
- Mechanical Life: (O-C) no less than 20000 operations
- Protection Degree: IP20

SPECIFICATION

Type	UMS-60M
Poles number	2, 4
Rated current (A)	25, 40, 63, 80, 100
Rated Voltage / Rated frequency	240/415V AC / 50/60 Hz
Rated residual operating current I _n (mA)	10, 30, 100, 300, 500
Rated residual non operating current I _{no}	0.5 I _n
Rated conditional residual breaking current I _{nc}	6000A
Tripping duration	Instantaneous tripping <0.1s
Residual tripping current range	0.5I _n ~ I _n
Electro-mechanical endurance	4000 cycles
Connection terminal	Pillar terminal with clamp
Fastening torque	2.0 Nm
Installation	On systemtrical DIN rail 35 mm

① Oil Type High Voltage Power Capacitor

> Application

The Capacitors are designed for Power Factor corrector and harmonics filtration in power networks. They are all-film dielectric and impregnated with and environmentally friendly, Non-PCB Biodegradable insulating oil. In addition each capacitor each proved with an internal discharge resistor all SAMWHA Capacitors comply with most national & international capacitor standard.

Capacitor benefits to

- Improve Power Factor
- Reduce Line Losses
- Decrease Voltage Drop

Through that it helps greater **Energy Efficiency**

> Product Scope

- **Power Range** Single Phase 25 kvar to 1000 kvar
Three Phase 50 kvar to 500 kvar
- **Voltage Range** Single Phase 1000V to 22000V
Three Phase 1000V to 11000V
- **Frequency** 50Hz / 60Hz
- **Applicable Standards** IEC, AISI / IEEE, NEMA



② Oil Type Low Voltage Power Capacitor

> Application

Capacitors are intended for the improvement of Power Factor in low voltage power networks. Used advanced technology consists of metallized PP film with extremely low loss factor and dielectric system is self-healing. The dielectric system is self-healing and biodegradable and environmentally friendly. The capacitors have overpressure protection to disconnect it from the supply in the event of internal failure and at the end of its operational life. The construction described above and the use of high quality materials ensure reliability and longevity.

Capacitor benefits to

- Improve Power Factor
- Reduce Line Losses
- Decrease Voltage Drop

Through that it helps greater **Energy Efficiency**

> Product Scope

- **Power Range** 0.2kvar to 150kvar
- **Voltage Range** 220V to 1000V
- **Frequency** 50Hz / 60Hz
- **Applicable Standards** IEC, AISI / IEEE, NEMA



③ Dry Type Low Voltage Power Capacitor

> Application

Capacitors are intended for the improvement of Power Factor in low voltage power networks. Used advanced technology consists of metallized PP film with extremely low loss factor. The dielectric system is self-healing and has no liquid impregnant. Capacitor enclosed in cylindrical aluminium cases. The capacitors have overpressure protection to disconnect it from the supply in the event of internal failure and at the end of its operational life. The construction described above and the use of high quality materials ensure reliability and longevity.

> Product Scope

- **Power Range** □ 0.2kvar to 50kvar
- **Voltage Range** □ 220V to 1000V
- **Frequency** □ 50Hz / 60Hz
- **Applicable Standards** IEC, ANSI / IEEE, NEMA



- Power Quality and Energy
- Electrical Measurement
- Remote Monitoring
- Protection & Control

ENTES ELEKTRONIK CİHAZLAR İMALAT VE TİCARET A.Ş.



CKR-93T
IDMT Relay



Digital Volt Meter



Digital Ammeter



Digital Multimeter



Voltage Monitoring



Phase Failure &
Phase Sequence



Level Controller

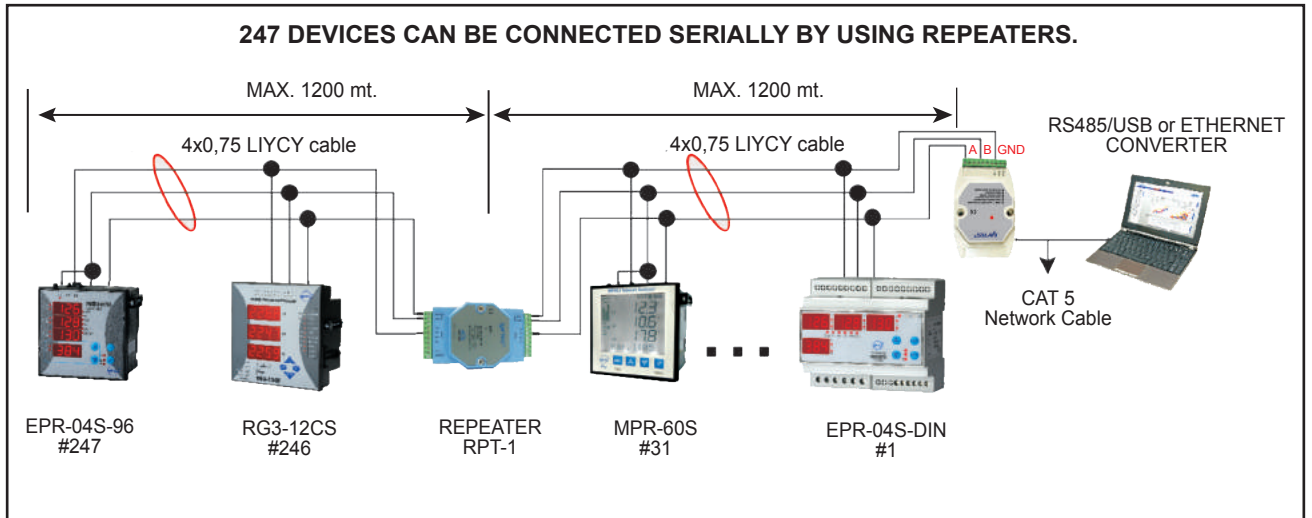


Multifunction Timer



Timer

www.entes.com.tr



* ENTES recommends 4x0,75 LIYCY mm² cable for RS-485 communications

MINIATURE CIRE BREAKER (MCB) SH200



PRODUCT RANGE

SH200T

- ▶ 6A-40A (1P, 2P, 3P, 4P) 3kA

SH200

- ▶ 6A-63A (1P, 2P, 3P, 4P) 6kA

MOULDED CASE CIRCUIT BREAKER (MCCB) Tmax

PRODUCT RANGE

Tmax XT1

- ▶ 16A-160A
(3P, 4P) 16kA, 25kA

Tmax XT3

- ▶ 200A-250A
(3P, 4P) 36kA

Tmax T5

- ▶ 320A-500A
(3P,4P) 36kA

Tmax T6

- ▶ 630A-800A
(3P,4P) 36kA,50kA

Tmax T7

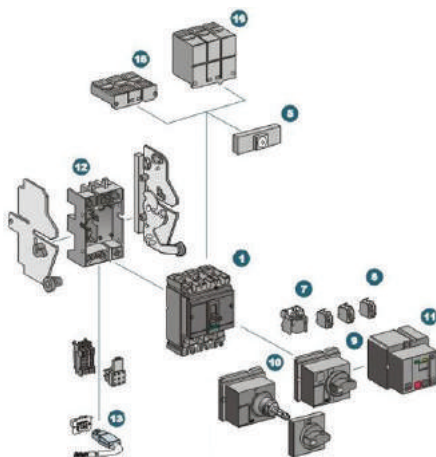
- ▶ 1000A-1600A
(3P,4P) 50kA,70kA



XT1,XT2,XT3,XT4 up to 250A,

T4,T5 and T6 up to 1000A,

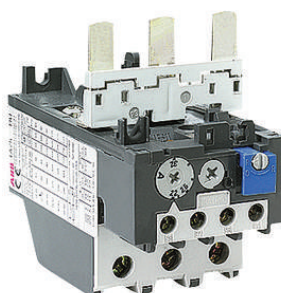
T7 and T8 up to 3200A



MCCB'S Accessories

- ▶ Shunt opening releases (SOR)
- ▶ Under Voltage release (UVR)
- ▶ Stored energy motor operator
- ▶ Auxiliary contact
- ▶ Rotary handle & many more.....

OVERLOAD RELAY



Thermal overload relays

- ▶ TA 25, TA 42, TA 75, TA 80, TA 110, TA 200, TA 450
0.1-16 to 220-310

AIR CIRCUIT BREAKER (ACB) New Emax



PRODUCT RANGE

Emax E1

- ▶ 800A (3P, 4P)

Emax E2

- ▶ 1000A -2000A (3P, 4P)

Emax E3

- ▶ 2500A -3200A (3P, 4P)

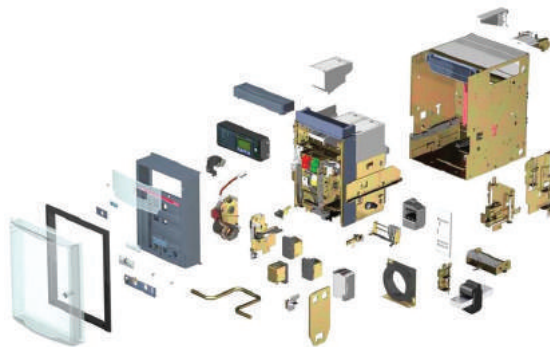
Emax E4

- ▶ 4000A -(3P, 4P)

Emax E6

- ▶ 5000A -6300A (3P, 4P)

NB: Up to 200kA



ACB'S Accessories

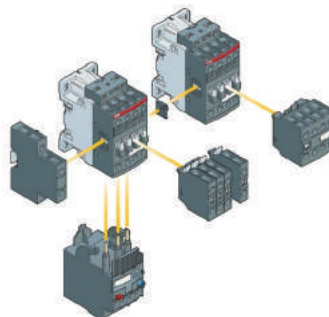
- ▶ Shunt opening releases (SOR)
- ▶ Shunt closing releases (SCR)
- ▶ Under Voltage releases (UVR)
- ▶ Gear Motor
- ▶ Auxiliary Contact
- ▶ Mechanical Interlock

MAGNETIC CONTACTOR



Magnetic Contactor's Accessories

- ▶ Auxiliary contact Block (Front & side mounting)
- ▶ Pneumatic Timer
- ▶ Inter lock (Electrical & Mechanical)
- ▶ Contactor coil and many more



Product range

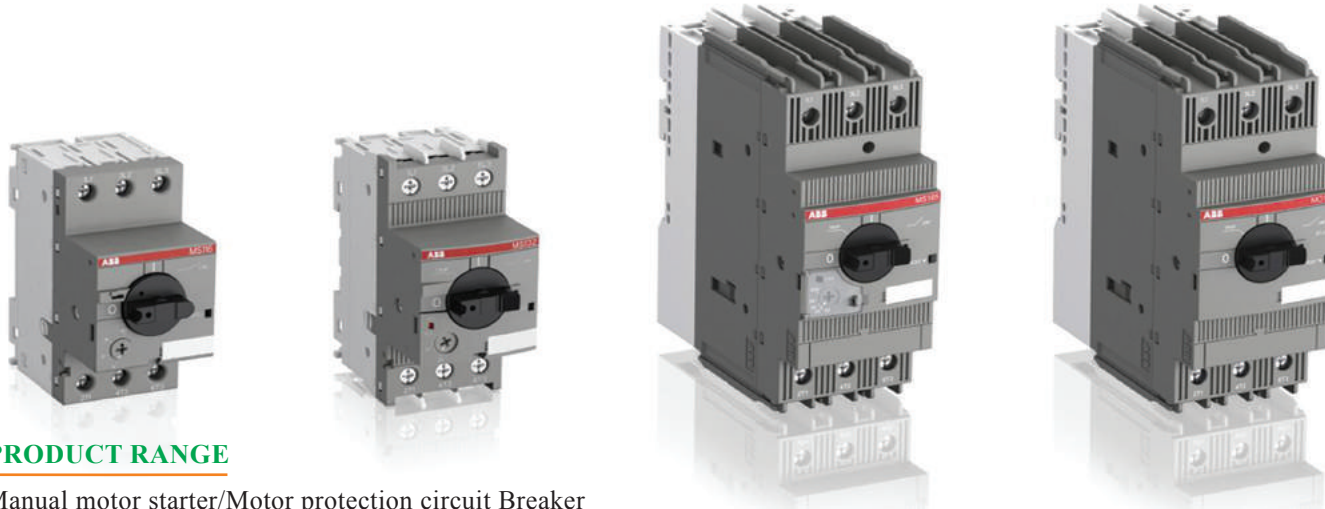
- ▶ **A...**
A9... A300 3P,4P
(25A in AC-1 to 500A in AC-3)
- ▶ **AX...**
AX9... AX300 3P,4P
(25A in AC-1 to 500A in AC-3)
- ▶ **AF..**
AF 50... AF1650 3P,4P
(100A in AC-1 to 1650A in AC-1)
- ▶ **UA.. RA**
UA 16...RA to UA 110..RA
(12.5kVAR to 80kVAR)
- ▶ **EK.....**
EK110 to Ek1000 4P
(200 A In AC-1 to 1000 in AC-1)

Accessories

- ▶ Auxiliary contact blocks for manual Motor Starters
- ▶ Mounting kits for thermal overload relay & many more.....



MOTOR STARTING SOLUTION



PRODUCT RANGE

Manual motor starter/Motor protection circuit Breaker

MS 116

- ▶ Ms 116-063 to MS 116-16
(0.25kw to 7.5kw)

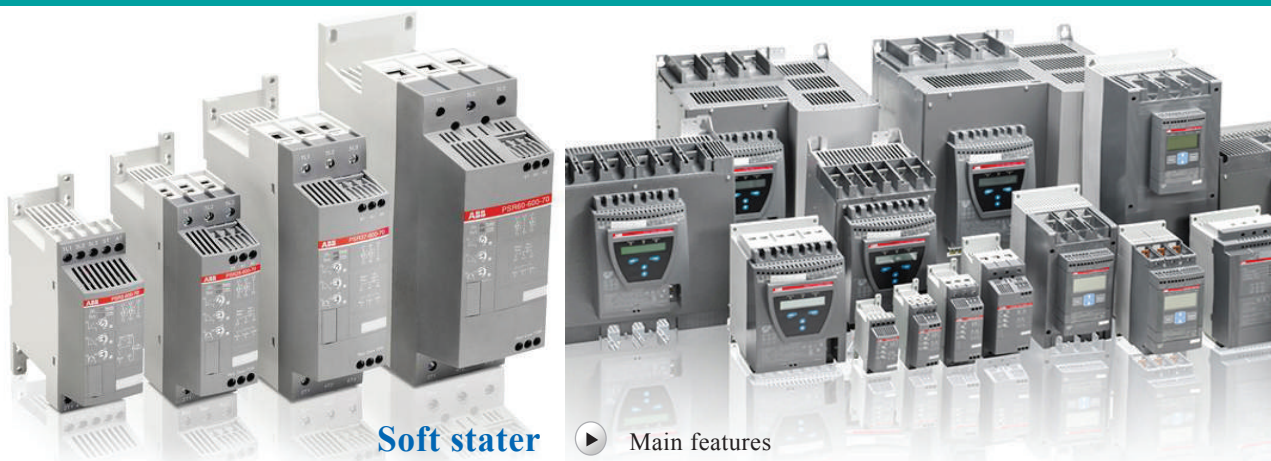
MS 325

- ▶ Ms 325-0.63 to MS 325-25
(0.25kw to 11kw)

MS 450

- ▶ Ms 450-16 to MS 450-50
(7.5kw to 22kw)

SOFT STARTER



Soft starter

- ▶ Main features
Model : PSTX, PST(B), PSE, PSR and PSS
ABB's soft starter for motor application 3 A to 2160 A
Reduced starting current and less electrical stress and energy save

VACUUM CIRCUIT BREAKER (VCB)



Withdrawable VD4

Withdrawable Vmax

Fixed Vmax

VCB

- ▶ Vmax - Medium Voltage Vacuum Circuit Breaker
VMax with Mo1, MC, MS & BB1-2
Fixed Type & Withdrawable type
20-31.5KA (11KV, 630A, 1250A)
- ▶ VD4 - Medium Voltage Vacuum Circuit Breaker
VD4 with Mo1, MC, MS & BB1-2
Fixed Type & Withdrawable type
20-31.5KA (11KV, 630A, 1250A)

PUSH BUTTON, PILOT LAMP, SELECTOR, EMERGENCY STOP



Autonics Sensors & Controllers



Sensor, Proximity Sensor, Photo Sensor, Encoder Etc.



Timer



Analogue Temperature Controller



Digital Temperature Controller



Counter



Counter / Timer

Phase Failure Relays / Voltage / Current / Frequency / Power Monitoring Relay

VSP3



Single phasing, reverse phasing, unbalanced supply, Auto reset 1 NO output contact.

VSP D1



Phase Failure, Unbalance, Phase Sequence, Auto Reset, Fixed Unbalance Setting, 1 CO output Relay.

VSP D2



Phase Failure, Unbalance, Phase Sequence, Auto/Manual/Remote Reset, Adjustable Unbalance setting, 2 CO output relay.

VPGD1



Single phasing, reverse phasing, unbalanced supply. Auto reset, 1 CO, Low water Label guard for dry running protection

ALV D2



Phase Failure, Unbalance, Phase Sequence, Under Voltage, Over Voltage, Auto Reset, Fixed unbalance Adjustable UV/OV, 2 CO.

VCT D2



3-Phase 3-Wire Under & Over voltage, Auto/Manual Reset, Adjustable Under / Over Voltage, Adjustable Trip Delay, 2 CO output.

D1 HLS1



Phase Failure, Unbalance, Phase Sequence, Under Voltage, Over Voltage, Auto Reset. Fixed unbalance, Fixed UV/OV, 2 CO.

D1 VCR1



Single Phase Under & Over Voltage, Auto Reset, Adjustable UV/OV, Fix trip delay, 2 CO output relay.

F3 MPR1



Microcontroller based. Adjustable trip setting for UC/OC, O/L, Locked Rotor & earth fault, On delay & adjustable start-up delay 2x1CO output & communication port.

F3 VSR4



3P3W or 3P4W voltage monitoring & display, Phase Failure, unbalance Phase Sequence, Adjustable UV/OV, Adjustable unbalance, trip delay & RS232 Communication Port 2CO, true RMS.

S1 VMR7



Phase Sequence, Auto Reset, 1 CO output relay.

S2 VMR2



Phase Failure, Unbalance, Phase sequence, Under & over voltage, Microcontroller based design, SMD Technology Auto Reset, Fixed unbalance Fixed UV/OV, 2 CO output.

S2 VMR3



Phase Failure, Unbalance, Phase sequence, Under & over voltage, Auto/Manual Reset, Adjustable unbalance, Adjustable UV/OV & Trip Delay, 2 CO output.

S2 VMR4



3-Phase 3-Wire Under & over voltage, Microcontroller based design, SMD Technology Auto/Manual Reset. Adjustable UV/OV, Adjustable Trip Delay, 2 CO output.

S2 VMR6



Phase Failure, Unbalance, Phase Sequence, Under Voltage, Over Voltage, Neutral Failure, Auto Reset, Adjustable OV/UV settings. 2 CO output.

Motor / Pump Protection Relays / Electronic Timers / Liquid Level Controller

SPG D2, PGS D2



Phase Failure, Unbalance, Phase sequence overloading and Dry running, Auto/Manual Reset. Adjustable current trip setting, 2CO output relay.

D2 MPR2



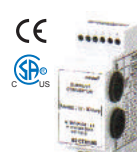
Sensing both voltage & current signal, Phase Failure, Unbalance, Phase sequence, UV/OV, Overloading & dry running, Manual reset, Fixed trip, Fixed overload characteristics

S2 CMR1



Phase Failure, Unbalance, Phase sequence, Under & over voltage, Auto/Manual Reset, Microcontroller based design, Auto Manual Reset, Adjustable Current Trip Setting, 2 CO output.

S2 CTS1



Current sensor suitable for full load motor currents of 1.25A, 2.5A, 5A, 10A, 20A, 40A & 80A. To be used with Minilec relays only.

P1 LCW1



Single tank - 2 level control relay, Suitable for conductive liquids, 1 CO output relay.

MBAS 0600



4, 6, 8, 12, 16, 18, 22, 24 & 32 Windows 30x30 & 30x65 mm size window, Choice of 5 colors Grouping & NO-NC site selectable, front replaceable windows. Built in PB.

D1 PTC3 / D1 PTV3



2 Wire Current transducer, Input AC Current, Output (DC) single, accuracy 0.5%

2 Wire Voltage transducer, Input AC Voltage, Output (DC) single, accuracy 0.5%

ESD D1



Star to Delta, Changeover timer, Time range upto 60 seconds, 2x1 NO output relay

S2 ETM2



Multi-function timer (On delay, Interval delay, cyclic, Star-delta. Engine starting), Time range upto 100 hours, 2x1CO output relays.

Measuring Instrument



FRAKO Digital Meter



RISHABH Digital Meter



Analogue Meter BGM



Current Transformer (BGM)

Amps / Volt Meter Selector



Clamp on Meter



Current Transformer (Risesun)



EOCR

DOCR



Float Level Controller



EOCR



EOCR



PFR





Fan Net



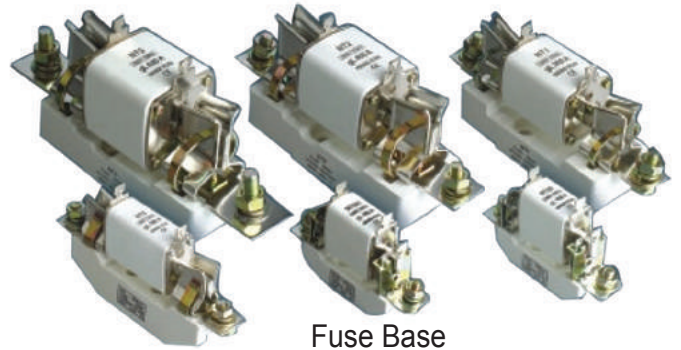
Cooling Fan



Fuse & Base



Cooling Fan



Fuse Base



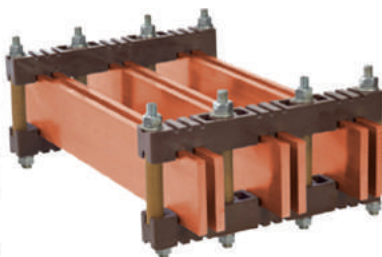
Amps / PIB Tape



Busbar Insulator



Panel Lock



Bus Bar Coupler



Micro Switch



Power Factor Controller



Reactor



Power Factor Capacitor

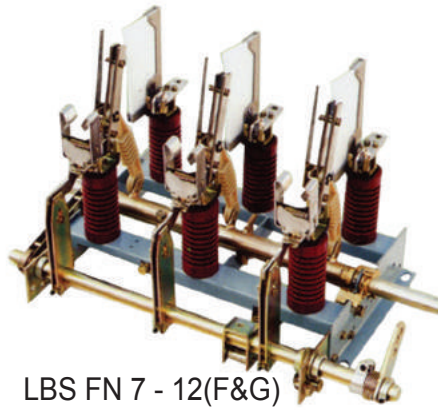


Power Factor Capacitor

High Voltage Products



LBS FN 12 - 12 (ABB)



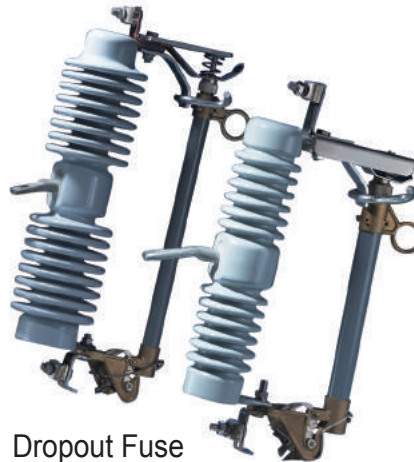
LBS FN 7 - 12(F&G)



VCB VD4



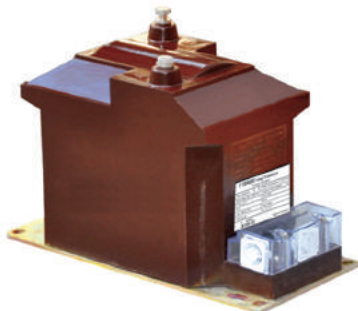
Lightning Arresters



Dropout Fuse



HT Fuse



HT P.T



HT C.T



Main Switch



Automatic Voltage Regulator



Low Voltage Products



Magnetic Contactor



ACB



Magnetic Contactor



Easyfact
CVS100/160/250

Easyfact
CVS400/630
MCCB

Easyfact
CVS100BS



MCCB



Multi-Meter



Motor Starter



Manual Motor Starter



Changeover Switch



TSGC2



TDGC2-500



TDGC2-1000



TDGC2-2000



TDGC2-3000



TDGC2-5000

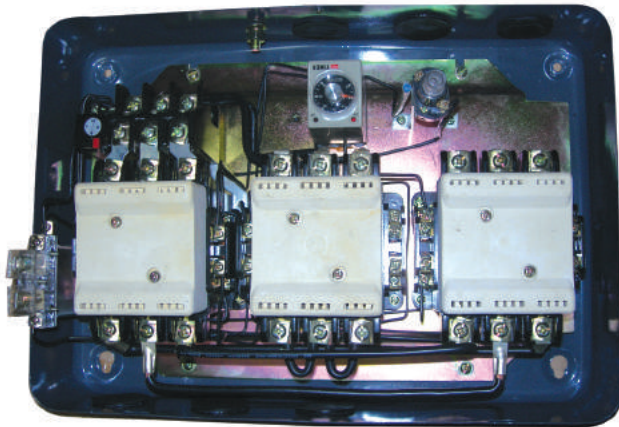


TDGC2-10000

Voltage Regulator



Low Voltage Products



Star Delta Starter (Anchor Brand)



CJT20-63



CJT20-100



CJT20-150



CJT20-160



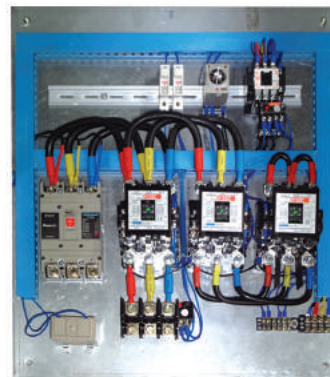
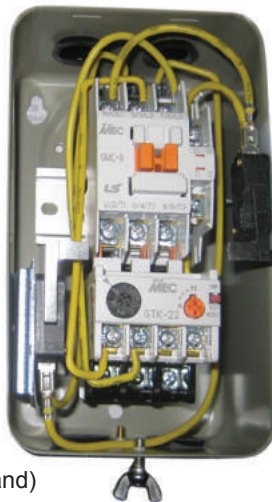
CJT20-250



CJT20-150



DOL Starter (LS Brand)



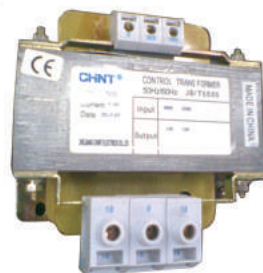
Star Delta Starter (Hitachi Brand)



Star Delta Starter (Shihlin Brand)



ATS (ACB Type)



Current Transformer



Multi-Function Timer



ATS (MC Type)



ATS (MC Type)

HT SWITCHGEAR (LBS)



This protective equipment is used at 11 kV sub-station. The main Load Break Switch (LBS) mechanism is available for 630A & the over current protection scheme is done through HRC fuse. The panel includes 3 numbers of CT (Current Transformer) & 2/3 numbers of PT (Potential Transformer) for measuring system current & voltage respectively & 3 numbers of HRC Fuses for protection of overload. The scheme is so designed that if fault occurs in any phase it will isolate the whole three phases from the system instantly. The panel also includes 3 numbers of Ampere meters & one number of Voltmeter with selector switch for monitoring system current & voltage. The standard panel size is 900x900x1800 mm & weight is around 450kg.

HT SWITCHGEAR (VCB)



MAIN FEATURES

- ☐ Long maintenance free operation
- ☐ Fully metal clad design
- ☐ Horizontal isolation
- ☐ Bus bar system fully insulated
- ☐ Manual or motor charged main
- ☐ Closing mechanism
- ☐ Fully rated earth switches
- ☐ Complete set of interlocks and
- ☐ Padlocking facilities
- ☐ Isolatable voltage transformer
- ☐ Ample current transformer
- ☐ Ccommodation
- ☐ Extensive use tropical environments
- ☐ Safety interlock
- ☐ 20,000 Operations on vacuum breakers
- ☐

LOW TENSION (LT) SWITCHGEAR



Low Voltage Switchgear

Alo Bitan offers switchboards fitted with low voltage circuit breakers in single and three phase configurations that can be used as motor control centres, power illumination CTC systems and distribution boards compliant with latest building regulations.

Main Advantage:

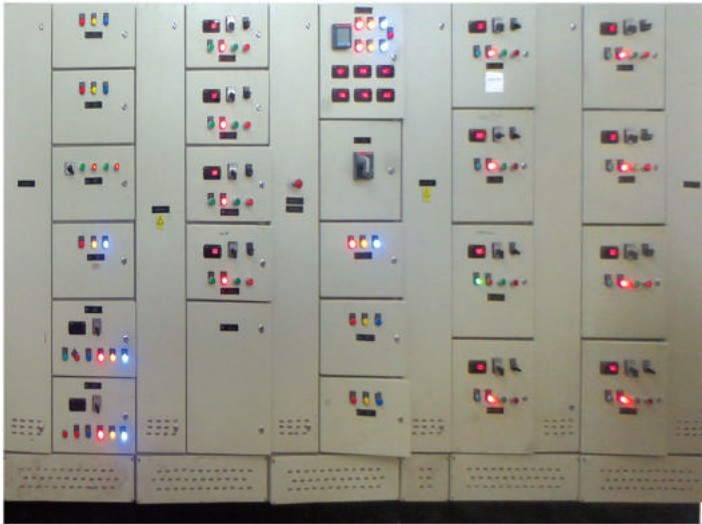
- ☐ Compact, space-saving, side-by-side and easily installed.
- ☐ Flexible and versatile, easily adapted to a variety of applications.
- ☐ Safe and reliable and user friendly
- ☐ Reasonable prices for high quality service.
- ☐ Short response times, and quick delivery.
- ☐ Excellent sales support and full range of service solutions.
- ☐ Type-tested switchgear assemblies in accordance with IEC/EN 61439

PFI PLANT (Power Factor Improvement)



Power Factor of the system is degraded due to inductive load of different industries and big apartments. Alo Bitan manufacture PFI (Power Factor Improvement) Plant for improving the degraded Power Factor of the system. We have microprocessor based PFC (Power Factor Correction) relay up to 16 stages. The Capacitors we use are of different rating (2.5, 5, 10, 20, 25, 50 KVAR.... etc) and corresponding Magnetic Contactor for suitable stepping of the Capacitor bank. Sometimes we also use detuned Reactor with the Capacitors for harmonic filtration of the system. The standard panel size is 600x600x1700 mm (single unit) and the weight is around 200 kg.

Low and Medium Voltage Motor Control Centres



Alo Bitan offering includes medium voltage switchboard motor control centres for supply, control and protection of low voltage and medium voltage motors. They are suited for a wide range of applications. They are available in slim compact designs, as stand-alone units or as add-ons for existing systems.

Main Advantage:

- ❑ Always customised to your specific requirements.
- ❑ Compact, space-saving, and easily installed.
- ❑ Flexible and versatile, easily adapted to any electrical layout or installation site.
- ❑ Enables extension on either side of switchboard to accommodate changing operational needs.
- ❑ Available as stand-alone units or can be integrated into scalable systems to implement new functionalities.
- ❑ Safe and reliable and user friendly
- ❑ Reasonable prices for high quality service.
- ❑ Short response times, and quick delivery.
- ❑ Excellent sales support and full range of service solutions.

Distribution Board (MDB / SDB)

MCCB panelboard distribution system

Alo Bitan offers a versatile range of panelboards;

- ❑ 250A, 400A & 800A panelboard versions available.
- ❑ 3 to 18 outgoing ways.
- ❑ Outgoing MCCBs up to 250A
- ❑ IP3X construction.
- ❑ Metering options.
- ❑ Optional side extension modules provide improved access for larger cables.
- ❑ Versatile solution, accommodating different size outgoing MCCBs to best match application needs.
- ❑ Enhanced safety through fully shrouded incoming devices, to protect against contact with live parts.
- ❑ Blanking plates finger protect unused outgoing ways.



DB Box



MDB Box



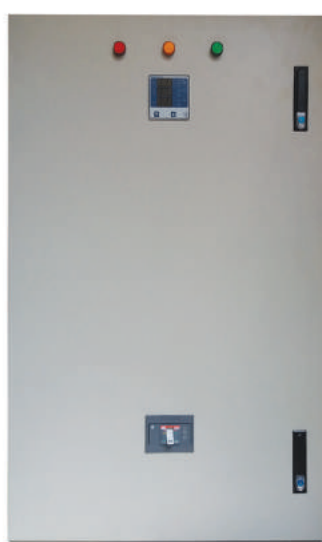
MDB Box



Meter panel



SDB Box



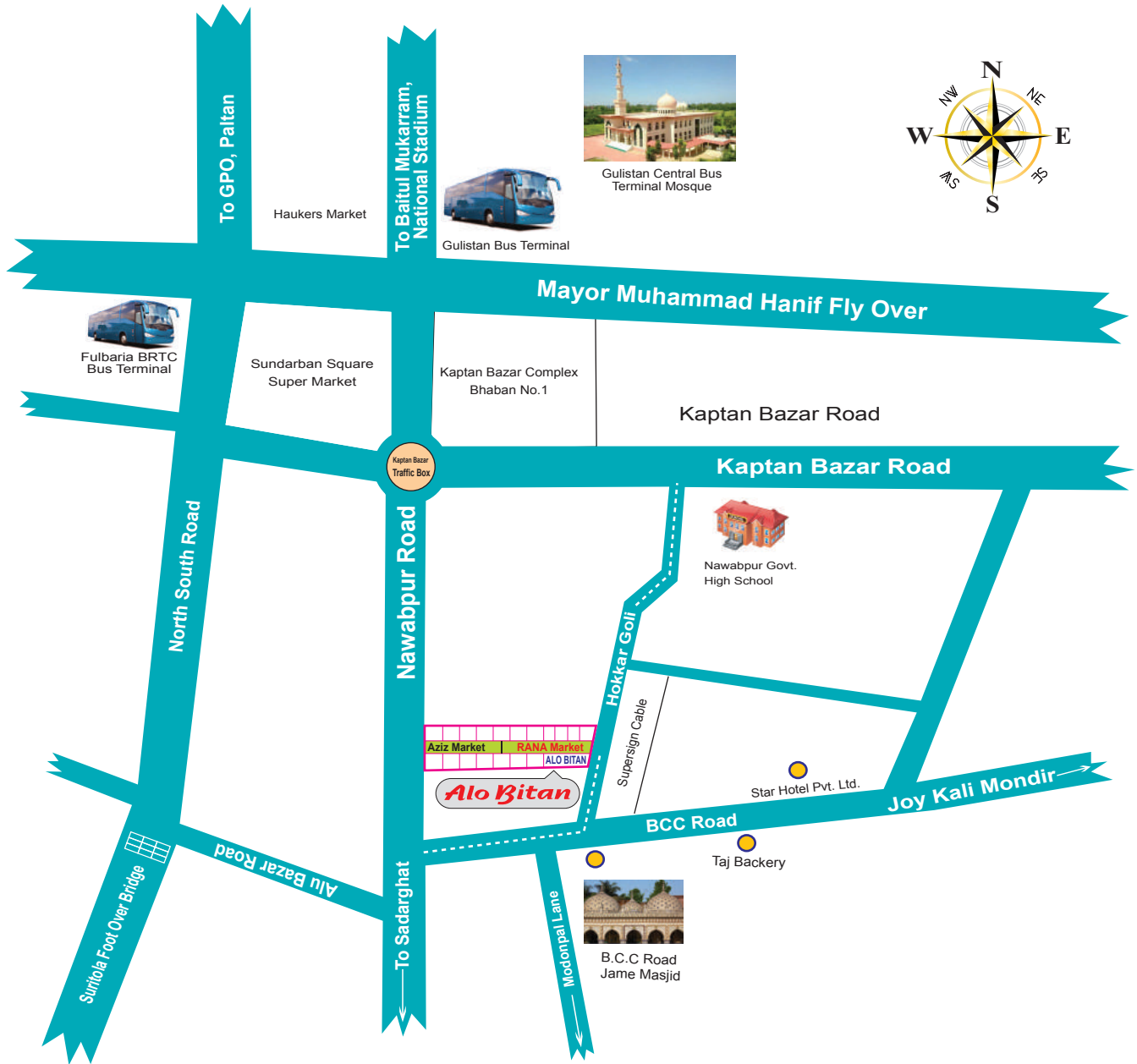
SDB Box



Fire Control Panel

A&B[®] Alo Bitan

MOTOR CONTROL (CONTACTOR / MS / MMS), CIRCUIT BREAKER (MCCB / MCB / ELCB / EMCCB), AIR CIRCUIT BREAKER, AUTOMATIC TRANSFER SWITCHES (Panel Board Type / Residential Unit Use), SURGE PROTECTIVE DEVICE, LOW VOLTAGE POWER CAPACITOR, SMART METER, HIGH VOLTAGE EQUIPMENTS (LBS / VCB / IDMT RELAY / HT CT / HT PT)
FREQUENCY INVERTER, MOTOR PROTECTION RELAY & ELECTRONICS MEASURING INSTRUMENTS.



A&B[®] Alo Bitan



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