

# Abu Alrejal Trading Corporation

**SMART**  
SYSTEMS



## Electrical Distribution Board



- All Panels are Spereatly Tested
- Most Panels Equipied with Metering Devices
- Flexibility with Capacity and Sizes
- Hyundai Circuit Breakers
- High Quality Panels
- Easy to Install
- Modest Prices

## MCB DISTRIBUTION BOARD

Ampere Frame (AF)	63		
Type	HiBD 63		
Number of Pole	1	2	3

Outside View



Protection		Overload and Short Circuit
Rated Current (A)		1, 3, 5, 6, 10, 15, 16, 20, 25, 32, 40, 50, 63
Breaking Capacity	at 230/400 V	6 kA
Type of trip		Thermal-magnetic Release
Electrical endurance		No less than 6000 Operations
Standard		IEC 60898
Terminal		Lug Type

Dimensions (mm)

### Standard Selection Table

Model	Recommended Applicator	Main Breaker	Ways	Standard Ratings							
				6A	10A	15A	20A	32A	63A	63A-3ph	3ph-125A
MCB 112	Apartment	50A-D	10		3	4	3				
MCB 124A	Two Apartments	2X50A-D	20		6	8	6				
MCB 124B	One Floor	125A-D	22		16	8	5	1	1		
MCB 148A	Three Apartments	3 X 50A	42		12	15	12	3			
MCB 148B	Villa-A	1X125A 3Ph	45	4	12	12	9	1		1	
MCB 248	Villa-B	250A MCCB 3Ph	43		8	12	7	4		2	1
MCB 266	Big Villa	250A MCCB 3Ph	61	7	12	12	10	4		2	2
MCB 236	Building Main Distribution	250A MCCB 3Ph	36		6	8	4	4		2	2
MCB 1112	Four Apartments or Four Floors	4X125A-3Ph	100		24	24	24	4		4	

**-Breakers Sizes Can be Chosen Upon Request**

**-Other Protection and Metering Can be added**



- Various Protective Function
- Over current & Under current
- Phase failure & Phase unbalance
- Reverse phase / Stall & lock
- Earth leakage or short circuit (Option)



- Current Metering Frequency and Voltage Readings
- Over Voltage and Under Voltage Protection
- Over and Under Frequency Protection



## Molded Case Circuit Breaker SWGR

### Specifications

- From 250A to 800A MCCB SWGR
- Operating Voltage (Ve) 690V
- Insulating Voltage (Vi) 750V

### MCCB Accessories

Optional	Shunt Trip, SHT Under Voltage Trip, UVT Auxiliary Switch, AUX Alarm Trip Switch, ALT	Operating Handle )3 Pole( -Breaker Mounted, TFG -Panel Mounted, TFH Terminal Cover, TCF
Standard	Interpole Barrier, TQQ	

### Thermal-magnetic Type MCCBs

Rated current from 3 to 800 A  
Breaking capacity from 5 to 130 kA



### Electronic Type MCCBs

Rated current from 20 to 1200 A  
Breaking capacity from 50 to 130 kA  
Adjustable current-time rating  
LSIA characteristic curve



Model	Main Breaker	Outgoings	Ratings
MCCB212A	250A	12	8(60A) 4(125A)
MCCB 212A	250A	12	6( 60 A) 6(125A)
MCCB412A	300A-400A	12	12(125- 250A)
MCCB412B	300A-400A	12	4 (125- 250A) 8 (40A- 100A)
MCCB812A	600A-800A	12	2 (300- 500A) 10 (125- 250A)
MCCB812A	600A-800A	12	12(125- 250A)



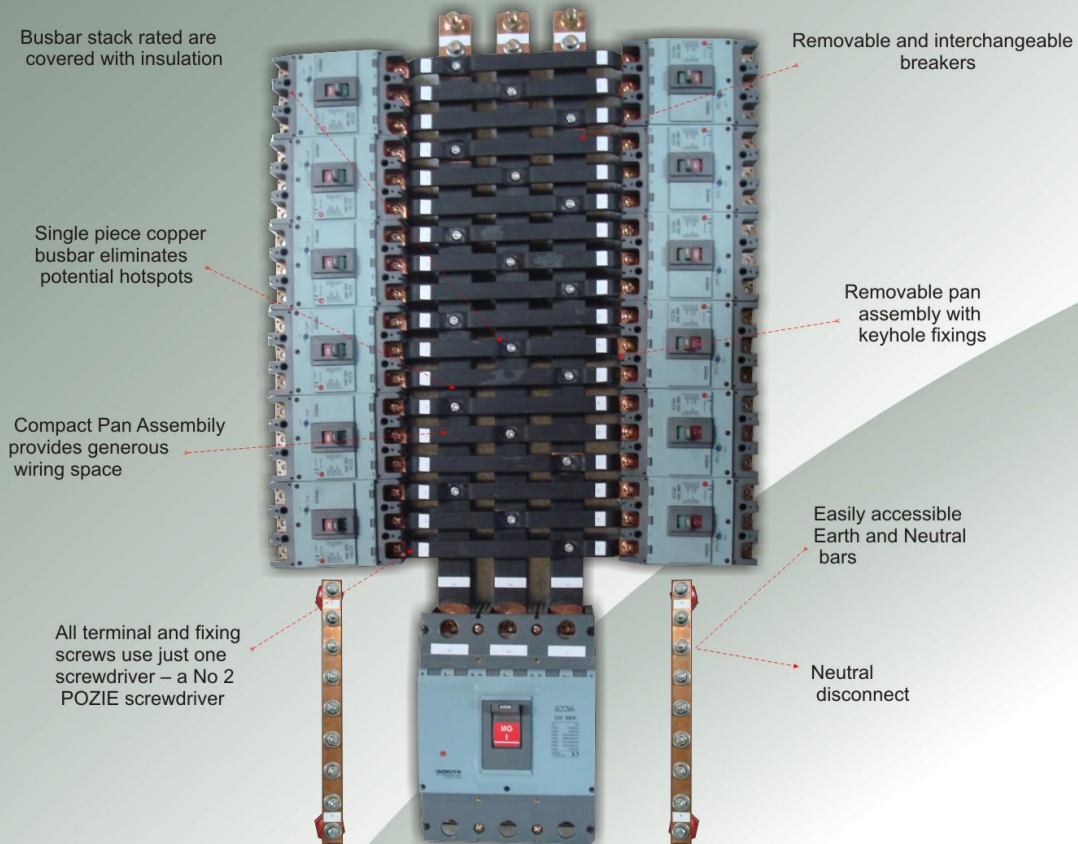
All these panels are the most standard types while sizes and number of outgoing can be decreased or increased based on customer's need .

## Air Circuit Breaker SWGR

- Motorised and Manual Spring Charged
- Operating Voltage (Ve) AC 690V
- Insulation Voltage (Vi) AC 1000
- From 1250A to 6300A ACB SWGR
- Under Voltage and Over Voltage Trip
- Over Current Protection
- Automatic Switch Transfer (ATS) Optional
- Number and Ratings of Outgoings is Based on Customer Requirements







- Further Electrical Protection Relays Can be Added Based on Customer Need
- Customized Designs and Sizes Can be Arranged
- Power Protection and Metering Devices Can be Added



## **Abu Alrejal Trading Corporation**

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**Please Check Our Other Catalogues for the Followings :-**

- 1- Genset Control Panels and ATS Panels
- 2- Motors Control and Protection Panels
- 3- Generators Synchronizing Panels