



AL-AHLEIA SWITCHGEAR CO.



STATE OF KUWAIT

MOTOR CONTROL CENTRE (MCC)

INTRODUCTION:

Motor Control Centres generally comprise of incoming Air Circuit breakers, main horizontal and vertical busbars, outgoing starter/ feeder modules with MCCB / Switch fuse Unit, Contactors, Overload Relays, etc. Al-Ahleia make MCCs are designed, manufactured and tested for rated current upto 6300A and short circuit current upto 100kA at rated voltages as per international standards. 'Intelligent Type' MCC with device level integration to control, protect and monitor incomers, motors and feeders.



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TECHNICAL SPECIFICATIONS

Type	:	LVMCC
Applicable Standards	:	IEC 60439-1
Rated Insulation Voltage	:	690V, 50 Hz
Current Rating	:	Upto 6300A
Short Time Current	:	Upto 100kA for 1 sec
Degree of Protection	:	As required
Form of Separation	:	As required
Construction	:	Indoor/outdoor, cellular cubic type, Drawout/ Non-drawout, Single front/ Double front.
Cable entry	:	Bottom (Top entry/ exit or busduct entry on request)
Paint colour / shade	:	As required

NOTABLE FEATURES

- Fully drawout modules for easy maintenance.
- Drawout module has three positions viz. service, test and isolated.
- Excellent short circuit withstand performance of busbars.
- Bolted / Riveted modular construction.
- Extendable on either side.
- Adequate space for connection of cable.
- Minimized maintenance and long life of switchgear components.
- Easy operation and maintenance.
- Interlocked for safety.

DIMENSIONS

Sl. No	Panel Type	Width(mm)	Depth(mm)	Height(mm)
1	Outgoing vertical panel (Single Front with front cable access).	900/1000	650/900	2200/2300/ 2400/2500
2	Outgoing vertical panel (Single Front with rear cable access).	700	650/900	2200/2300/ 2400/2500
3	Outgoing vertical panel (Double Front with front cable access).	900/1000	1050/1250	2200/2300/ 2400/2500
4	ACB Incomer panel (Single Front with rear cable access).	700/850/1000	650/900	2200/2300/ 2400/2500
5	ACB Bus Tie panel (Single Front).	850/1000/1150	650/900	2200/2300/ 2400/2500