

## PROJECT FACT SHEET

**Customer:** Efficiency Way Bibra Lake offices

**Project:** DEMONSTRATION UNIT – N SERIES – MOTOR CONTROL CENTRE

**Project Profile:** As often happens in the Switchboard Manufacturing Industry, when the time comes to want to show your manufactured products to prospective customers, there is nothing to show in the workshops or if there is not at the suitable stage or manufacture, manufacturing stages can be either too early or too far advanced.

To that end, Nilsen Switchboards Division, decided, some months ago, that was time to do something about that and set about building a basic display module of its N Series Motor Control Centre for use at its Efficiency Way Bibra Lake offices.

The display unit is made of two single sided, front connected tiers encompassing one withdrawable 1250 A Air Circuit Breaker (ACB) main incomer tier and one tier containing one 3 Kilowatt DOL starter module, one 16 A MCB feeder module, one 800 A MCB feeder module and one spare cubicle.

Interestingly, the two feeder modules are equipped with the now well known Nilsen developed Voltage Indicator units RB12003/2RN.

Additionally the MCC display unit shows off, at different stages of implementation, fully insulated busbar and most importantly a Nilsen developed method of insulating the main incoming cables connections.



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Increasingly, Nilsen customers are requesting this feature as an arc fault on the load side (protected) of the main breaker could quite easily migrate to the line side (unprotected) of the breaker with potentially disastrous results.

Nilsen also inbuild a main ACB line and load barrier to mitigate migration of the arc, as prevention is better than the cure, one can never have enough safety features. This barrier also offers perforations so not to impede the ventilation features of the N Series Motor Control Centre.

Consultants, prospective customers and end users are welcome to make an appointment to view the display unit and discuss their project requirements with our estimating and production staff at our Bibra Lake offices.

Frank Fanali

