

TECHNICAL NOTE FOR ADAPTING A THREE PHASE PROTEC Z MM3 HV UNIT TO A SINGLE PHASE MM3 VERSION

Potential applications:

Customers requiring full phase segregation like in the case of a generator application

Customers requiring more cooling from the existing can size because of temporary higher harmonic loading in the plant or other excess heating phenomena

In order perform this conversion, the following steps are required:

1. Order 3 new identical MM3 units from NTSA; do not use this on Compact or PM3 versions without consulting NTSA.
2. Do all the handling and connections in accordance to the Installation Manual from NTSA
3. Connect each HV phase to the bushing opposite the earth stud side from the MM3 unit
4. Connect the two free bushing tops to the relevant can's earth-stud with at least 16 mm squared isolated cable
5. For cooling purposes allow as much space as possible between the units
6. Connect the 3 earth-studs to the machine earth in accordance to 2
7. When testing the capacitor as per 2 test the cans one by one with all connections severed and only to the relevant bushing and its matching earth-stud.
8. Treat the thus formed assembly as a "life system"

For further details and information please contact NTSA

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