

Features

- Compact single tier BUS bar protection system
- Proven electro mechanical high impedance differential scheme
- Integrated 3 Phase Metrosil
- Integrated multi trip relay
- Pre assembled & wired in 4U high 19" sub rack
- High speed operation
- High sensitivity
- Wide range of settings
- High stability
- Made in Australia

Technical Bulletin

1M123

High Impedance BUS Protection Rack

Application

High impedance protection schemes are widely used for the protection of BUS bars, generators, motors & power transformers. BUS bar protection schemes utilizing electro-mechanical high impedance differential relays are often used due to their simplicity, reliability & comparatively low cost. While numeric high impedance differential relays are now available the application of electro mechanical schemes is likely to continue at least in the role of the Y protection scheme where duplicate protection is employed.

The 1M123 system is an integrated protection scheme which overcomes the issue of space constraints on the protection panel & the problem of where & how to mount the Metrosil elements. The provision of at least one high speed multi trip relay is also normally required.

All of these functions have been incorporated into a single tier, 4U high, 19 inch sub rack frame.

Description

The 1M123 is made up of the following standard elements manufactured by RMS:

- | | |
|-------------|---|
| • 3 x 2V73 | Single phase high impedance differential relays |
| • 1 x 2V75 | 3 phase Metrosil module |
| • 1 x 2HSM | High speed multi trip relay |
| • 1 x 4M800 | 4U 19 inch sub rack frame |

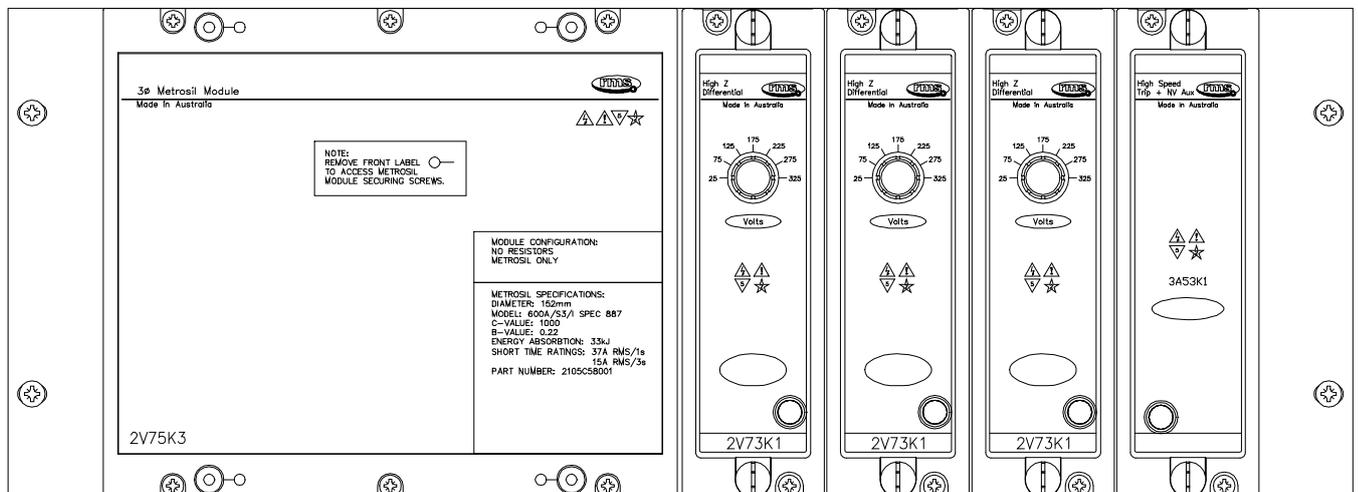
The specifications, options & ordering codes can be found in the technical bulletins for each of these components. The 2V73 is a voltage operated device.

A version of the multi trip relay may be specified depending on your tripping needs.

The completed protection system is supplied pre assembled. Inter wiring between the components can also be specified in accordance with your approved schematic drawings.

Contact an RMS Mors Smitt representative for pricing & further technical details.

The 2V68-S CT Supervision & Shorting relay is also available.



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