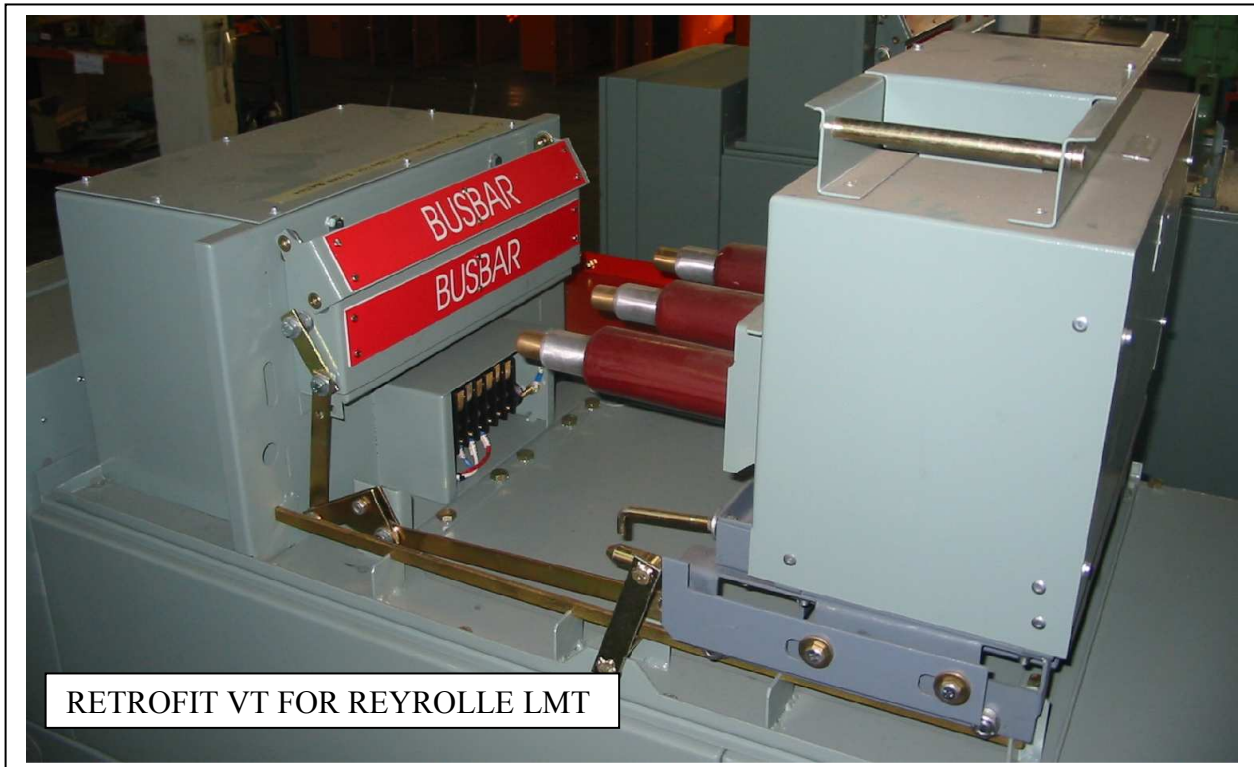


Type V164/5 Voltage Transformers



TECHNICAL SPECIFICATIONS

The Instruform® Type V164-3PhUVT above complies with BS7729-1994 has a uniformly insulated 3 phase primary winding and a 3-Limb core at RVF of 1.2. The available normal functions are for 3 phase 3 wire metering and symmetrical protections with rated burdens (I-I) from 12.5VA/Ph to 400VA/Ph at measuring or tariff classes of 0.2 to 3, short duration power loads such as solenoid, spring charging, contactor closing, valve/vane operating or continuous power such as contactor holding, battery charging etc.

The Instruform® Type V165-3x1PhEVT, also as shown above, has a 3 phase earthed star point primary winding and 3 separate single-phase cores and complies with IEC60044-2-2003 or BS7625-1993 at RVF's of 1.5/30 seconds, 1.9/30 seconds or 1,9/8 hours rated voltage factors for solid, resonant or isolated earth neutral systems respectively. The available normal functions are for unsymmetrical protections (DOC & DEF, UVR) at Classes 3P or 6P and 3Phase 3wire general measuring classes of 0.2, 0.5, 1 or 3 with rated burdens (I-n) from 25VA/Ph to 200VA/ph.

The primary windings are epoxy cast resin encapsulated with integral spouts which house the primary fuses (design rated). The secondary fuses are 16A or 32A cartridge fuses with one internal safety earth per 3 phase secondary. The VT's have provisions for 6 secondary contacts and terminals and 7 secondary fuses and/or links under a removable, accessible in service, top cover.

The VT comprises of a carriage on wheels (MP) and fixed portion (FP) with rails, shutters HV chamber and cast resin HV orifices for HV connections. The VT's are fully interlocked with provisions for padlocking of the HV orifice shutters, moving portion locking bolt in service and isolated positions. All MP's and FP's are jig assembled to be fully interchangeable with the all LMT VT's previously supplied.

The voltage transformers are routinely tested for partial discharge and comply with the above standards. The life expectancy of the voltage transformer aligns with that of the associated switchgear and is covered by a five-year warranty.

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