

Technical Alert

ABB 50kVA Transformer MV Termination Eye Bolts

ESB Networks has recently received delivery of 96 new ABB 50kVA three phase transformers, Code 3633614.



Figure 1: ABB 50kVA Transformer

An issue has been identified which concerns the MV termination eyebolts used on the ABB 50kVA transformers. The MV eyebolt is fracturing with minimum tightening force applied, when terminating conductor in the eyebolt as per Figures 2 and 3 below.

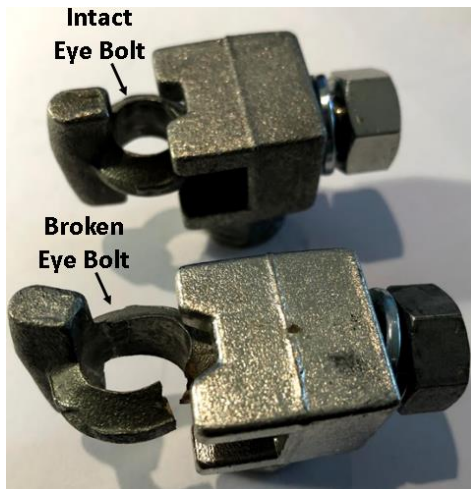


Figure 2: Intact and Broken Eye Bolt



Figure 3: Broken Eyebolt on MV Bushing

Networks Assets OHL have informed the supplier of the issue and an investigation into the cause of this failure is underway.

- All new ABB 50kVA transformers currently stored in ESB Ballycoolin have been quarantined until corrective measures have been put in place.
- All new ABB 50kVA transformers in local depots should not be installed until this issue has been addressed and corrective measures can be put in place.
- Depots that have ABB 50kVA transformers in stock should contact Ciarán McBrien Network Assets OHL, Ciaran.mcbrien@esb.ie 087 410 2720, to highlight how many units they have in the depot to allow for replacement parts to be despatched when available.

Thanks to the Construction Supervisor's team in Galway for highlighting this issue.

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