

Construction News - Engineering

Fitment of shrouds for Medium Voltage Regulator Bushings

- > Due to varying connection arrangements on MV Regulator Bushings, some regulator sites have not been suitably fitted with bushing shrouds.
- > The Mains Standards and Specifications team have been unable to obtain a cost-effective solution from suppliers to address the issues due to the low volumes required.
- > This Construction News provides guidance on the fitment of shrouds on Regulator Bushings for protection against wildlife.

Background – what happened?

Essential Energy have been investigating a suitable arrangement for fitment of shrouds on regulator bushings with several suppliers. Due to the low volumes required, there has been no readily available solution. Consultation with field and zone substation staff has led to a solution using materials already within the Essential Energy stores.

What happens now?

When constructing a new regulator site or refurbishing an existing site the following needs to be installed: -

1. A 66mm LV bushing shroud (Cat No 269316) on each of the HV bushings. This shroud should sit snugly over the base of the bushing as shown below.
2. Next, install the heat shrink sleeve (Cat No 262182) to cover the series arrester bracket between the HV bushings.
3. Lastly install three termination shrouds (Cat No 268050) stacked as shown to complete the arrangement. This provides an overall covering of the regulator connections to protect against flashovers from wildlife.



1. Install bushing shroud snugly

Cat No 269316



2. Install heat shrink sleeve on each side of the series arrester bracket

Cat No 262182



3. Install 3 termination shrouds

Cat No 268050

What do you need to do?

Field staff and ASPs should familiarise themselves with the above requirements and order the appropriate shrouds when constructing both new and refurbished sites. Feedback and suggested improvements can also be provided to the Mains Standards and Specifications Team via the contact listed below.



More information is available on [Standards Online](#). If you have any questions, please contact: Brett Atkinson, on 02 6589 8737 or 0419 343 400