

Technical Bulletin

TB 0277 – Fibreglass Cubicle Securing Improvement

Purpose

To outline fibreglass cubicle security improvements and retrofit options for existing substations where required.

Background

Following a review of data and unauthorised access incidents on fibreglass cubicles, an internal and industry review of cubicle securing has taken place in coordination with suppliers and internal stakeholders. Improvements introduced include:

- Improvement in the quality assurance checks performed;
- Development of an improved lock striker plate to reduce door movement;
- Revision of a retrofit lock.

Improved striker plate

A new striker plate shown in Figure 1 has been deployed on all new fibreglass padmount substations since early 2018. The striker plate reduces the movement of the door over time. The striker plate is available as an inventory item as indicated in Table 1 and can be retrospectively installed in high risk areas.

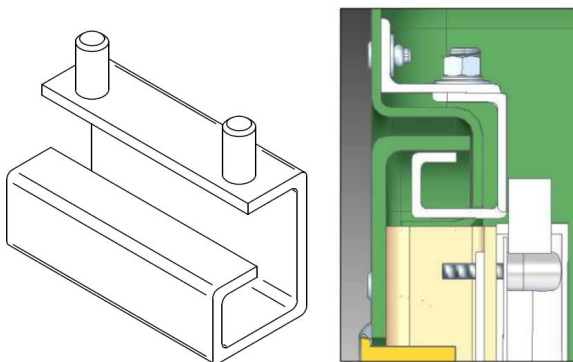


Figure 1: Design drawings for new Striker Plate design retrofit to current cubicle fibreglass design

Actions

The following actions must take place;

1. Whenever a site is accessed, the cubicle doors are to be checked secure, adjusted as required and fitted correctly as outlined in *SMI160 – Distribution Substations*. This includes the cubicle door feet, which need to be adjusted to ensure the door is firmly secure;
2. High-risk sites for unauthorised access presented by non-fitted, damaged or unsecured doors on an existing cubicle can be upgraded with the Striker Plate installed according to the 'Retrofit Security Striker Plate P204' manual attached. For retroactive replacements contact Security Section (Table 2) for replacement of the existing lock with Durabolt back (Figure 2);



Figure 2: Additional Durabolt backset with retroactive striker plate upgrade

An outage may be required where electrical risks are not able to be managed in accordance with the Electrical Safety Rules.

Equipment item description	Stock Code
Striker plate for fibreglass cubicles	001569482

Table 1: Replacement fibreglass padmount security striker plate and corresponding stock code

Impacted Standards

The contents of this technical bulletin will be included in the next update of the following standard(s):

- SMI160 – Distribution substations
- ETS0077 – Padmount substations cubicles

Contact

Subject of question	Contact	Contact Number
Locking repairs and installation	Mitchell Nicholls – Locking Coordinator, Security	9853 6457
TB strategy and implementation	Evan Riddell – Senior Engineer, Distribution Substation Assets	9853 6011

Table 2: List of contacts for this Technical Bulletin