



Technical Bulletin

TB 0254 – New Tappat 3-way LV URD link pillar termination

Purpose

Following testing, evaluation and an extended field trial, this technical bulletin has been issued to introduce a new 3-way LV URD link pillar termination that now utilises a 3-link design rather than the 2-link design currently being used.

The 3-link termination will allow greater switching flexibility on the network with less impact to customers.

Comparison between the 2-link version and new 3-link version

Previously, to provide supply to services using the 2-link design, the centre cable had to be energised or links installed. The centre cable could not be isolated without interrupting supply to the services.

Services on the new 3-link panel are independent from the links and therefore can be energised directly via the incoming cables or by closing links.

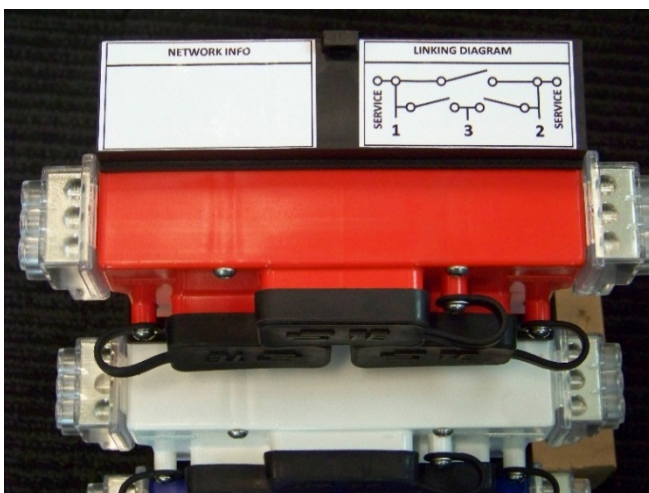
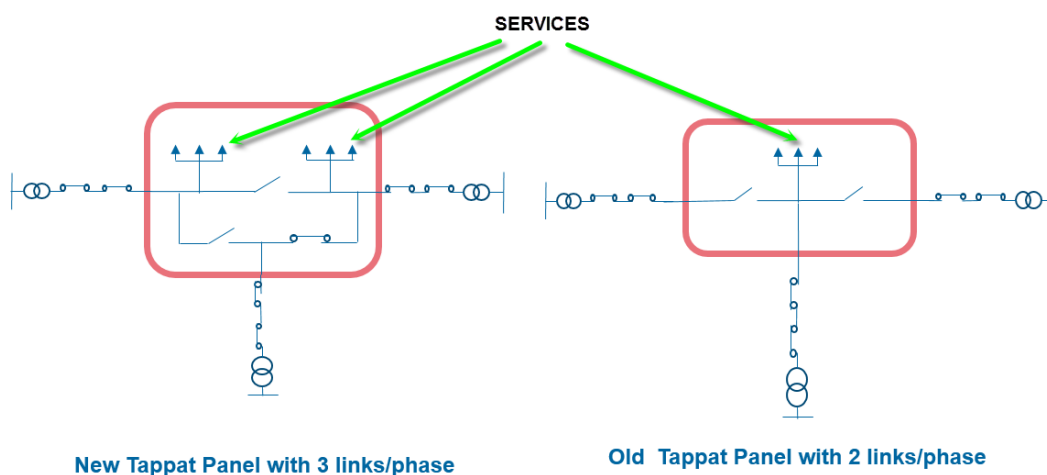


Figure 1 - Linking diagram and network information

The panel comes with a linking diagram for reference and a network information panel to be filled in during installation. This additional information clearly indicates to the operator the next connection (pillar, substation, UG/OH, etc.) on each cable.

The terminations on the 2-link pillars have the cables installed with the matching phases aligned vertically. The new 3-link designs have the cables phases terminated in a horizontal layout as shown below in Figure 3. This enables easier termination or removal of the cables as all cables can be accessed without having to remove another.



Figure 2 - New 3-link Pillar link Panel



Figure 3 - New 3-link termination cable layout (horizontal phases)

Implementation

The 3-link termination will now take the place of the older 2-link pillar termination (part no. TAP 10510) in all new constructions. Stock will be available from suppliers from **1st August 2018** and all relevant designs certified from **1st September 2018** must use the new termination.

Existing stock may be used until exhausted and the older 2-link termination will remain a stock item, only to be used for “like for like” fault and emergency repairs.

The new termination can be installed on the network after completion of the familiarisation training by the installer.

Familiarisation training

Endeavour Energy Staff

For an Endeavour Energy local champion and/or Operations Manager from each FSC, District Operators, Regional Switchers, Emergency Service Officers, Rapid Response training sessions will be held at the Technical Training Centre, Hoxton Park during **August 2018**.

Dates and times for these sessions will be as follows:

- **31/07/2018 8am and 1pm**
- **02/08/2018 8am and 1pm**

A short presentation will be followed by switching capability instruction/demonstration.

Tool box talks/presentations will also be held in FSCs by Technical Training staff at an agreed schedule.

Please contact “technical.training@endeavourenergy.com.au” to reserve training and schedule tool box talks.

ASP training

Familiarisation training for ASPs can be organised through your Tappat supplier.

Video “Quick Byte”

A “Quick Byte” YouTube video on the installation of the product is also available to watch using the following link:
<https://www.youtube.com/watch?v=2yQwB597prY>

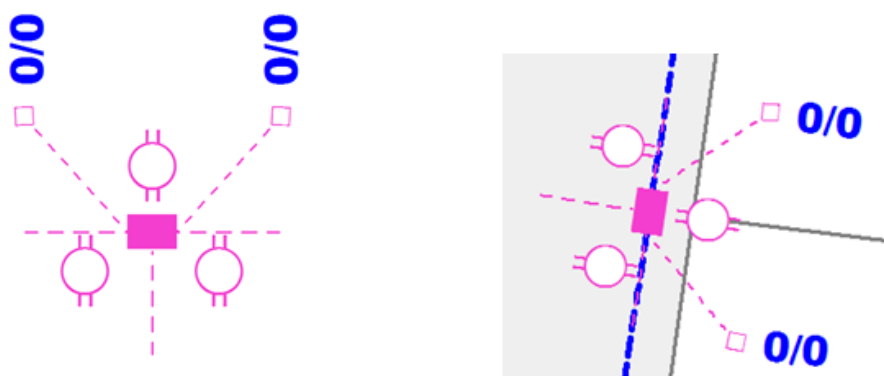
Stock codes:

For all new residential constructions. Tappat 3 cable, 3-link panel (part no. TAP10550) – 1569235

For fault and emergency repairs. Tappat 3 cable, 2-link panel (part no. TAP 10510) - 1549104

Design drawings and GIS

A new termination with all links open is to be shown as follows:



New Three Way Pillar Group Placement GIS feature

Sl. No.	Scenario	Display
1	3-SW Pillar with two LV Switch/Links opened and one closed	
2	3-SW Pillar with all the LV Switch/Links opened	
3	3-SW Pillar with two LV Switch/Links closed and one opened	

Impacted Standards

- MDI 0028 – Underground distribution network design
- MCI 0006 – Underground distribution construction standard
- SAD 0005 - Network Asset Information (NAI) system symbology

Contacts

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