

# Product Type Approval Certificate

## *Restricted*

This certificate is issued to:

<b>Supplier name and address:</b>	Schneider Electric Australia Pty. Ltd 78 Waterloo Road, Macquarie Park, NSW 2113
-----------------------------------	---

In respect of:

<b>Manufacturer:</b>	Schneider Electric Australia Pty. Ltd and Schneider Electric – SBMLV (construction of RM6 base tank)
<b>Place of manufacture:</b>	88 Sydney Road, Benalla, Victoria 3672 and No.2 Liang Shui He 2nd Street, Beijing Economic & Technology Development Zone, BDA, Beijing
<b>Product description:</b>	<p>11kV gas insulated switchgear, Ring Main Unit (RMU), Internal arc withstand 20kA for 1s, complete with</p> <ul style="list-style-type: none"> <li>• 630A busbar</li> <li>• AFL internal arc classification</li> <li>• 630A Feeder - fault make, load break switch-disconnector unit, model NE-I (non-extensible)</li> <li>• 200A Transformer Tee-off switch fuse unit, model NE-Q (non-extensible)</li> <li>• 200A Transformer Tee-off circuit breaker unit, model NE-D (non-extensible)</li> <li>• Fault indicators (optional on all RMU feeder switch units)</li> </ul> <p>Manufactured to TfNSW standard <i>TS 03762:1.0 11kV AC Ring Main Unit Switchgear</i></p>
<b>Use approved for:</b>	Use on the Sydney Trains 11kV ac network
<b>Conditions of approval:</b>	<p>This is a restricted type approval, see the limitations section of this certificate.</p> <p>For use in indoor and distribution padmount substations</p> <ul style="list-style-type: none"> <li>• Raychem RSTI-58xx cable termination kits shall be used (need to match the core insulation diameter of the type approved cable)</li> </ul>

	<ul style="list-style-type: none"> <li>• Raychem cable termination kits shall be installed as per TE Installation Instruction EPP-0982-1/11</li> <li>• Cable screens on the individual cores shall be continuous through the trifurcation boot. See Installation Instruction EPP-1578-AU-5/09 for more information.</li> </ul> <p>Type approval is valid for applications as detailed on the following set of General drawings:</p> <ul style="list-style-type: none"> <li>• EL 0282072, Rev C - Distribution padmount SS, RailCorp &amp; back up power supply with UPS schematic diagram</li> <li>• EL 0494650, Rev C - Distribution padmount SS, RailCorp dual supply schematic Diagram</li> <li>• EL 0474470, Rev C - Distribution padmount SS, Signals Power Supply with UPS schematic diagram (close to signals locations)</li> <li>• EL 0494648, Rev A - Distribution padmount SS, 11kV/415V, 500kVA distribution transformer schematic diagram</li> <li>• EL 0480481, Rev A - Distribution padmount SS, type 2 general arrangement</li> <li>• EL 0524979, Rev A - Distribution padmount SS, insulated earthing arrangement</li> <li>• EL 0480394, Rev A - Distribution padmount SS, earthing arrangement</li> </ul>
<b>Limitations:</b>	<p>The following restrictions are in place:</p> <ol style="list-style-type: none"> <li>1. The requirements of <i>TS 03762:1.0 11 kV AC Ring Main Unit Switchgear</i>, section 8 regarding the use of switchgear with SF<sub>6</sub> shall be complied with.</li> </ol> <p>Compliance with the above requirement and approval from the Director Energy Networks &amp; Systems, AMB is required prior to procurement.</p>

## Evaluating rail transport operator

<b>Name:</b>	Lidija Dumbaloska
<b>Position:</b>	Director Energy Networks & Systems, AMB, Transport for NSW
<b>Signature:</b>	Lidija Dumbaloska
<b>Date:</b>	22/08/2024

**Product approval pack reference number:** fT1109267