

Product Type Approval Certificate

Restricted

This certificate is issued to:

Supplier name and address:	Schneider Electric Australia Pty. Ltd 78 Waterloo Road, Macquarie Park, New South Wales 2113
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In respect of:

Manufacturer:	Schneider Electric
Country of manufacture:	France
Product description:	<p>Switchgear model: Premset</p> <p>11kV compact modular vacuum switchgear with Shielded Solid Insulation System (SSID), rated short time withstand current 20kA for 4 sec, complete with:</p> <ul style="list-style-type: none"> • 630A busbar • Circuit breakers, model D06H (630A feeder, 630A bus-coupling, 630A bus-cable tie, 630A system transformer and 630A distribution transformer) • Network load switch, model I06H (630A feeder) • AFLR internal arc classification • SCADA controlled switchgear • 11kV voltage transformers (busbar & system transformer) • Separate protection and control panel (PCP) <p>Manufactured to TfNSW standard <i>TS 03760:2.0 11kV AC Indoor Switchgear – SCADA Controlled</i></p>
Use approved for:	Use on the Sydney Trains 11kV ac network.
Conditions of approval:	<p>This is a restricted type approval, see the limitations section of this certificate.</p> <ul style="list-style-type: none"> • Raychem RSTI-58xx cable termination kits shall be used (need to match the kit to the size of the type approved cable that is being used) • Raychem cable termination kits shall be installed as per TE Installation Instruction EPP-0982-1/11

	<p>Typical set of drawings (Redfern No.2 station SS):</p> <p>EL 582046 11kV switchboard general arrangement</p> <p>EL 582103 11kV switchboard interconnection diagram</p> <p>EL 0582047 11kV switchboard legend</p> <p>EL 582080-89 11kV bus tie ACCB schematic</p> <p>EL 582070-79 11kV feeder 515 ACCB schematic</p> <p>EL 582090-101 11kV feeder 516 ACCB schematic</p> <p>EL 582050-59 11kV feeder 620 ACCB schematic</p> <p>EL 729453 11kV VT panel layout</p> <p>EL 582048-49 11kV VT schematic</p> <p>EL 582060-69 11kV/415V distribution transformer ACCB schematic</p> <p>EL 0729459-60 11kV protection and control panel door layout</p> <p>EL 729458 11kV feeder 516 protection and control panel layout</p> <p>EL 729457 11kV bus tie protection and control panel layout</p> <p>EL 729456 11kV feeder 515 protection and control panel layout</p> <p>EL 729455 11kV/415V auxiliary transformer protection and control panel layout</p> <p>EL 729454 11kV feeder 620 protection and control panel layout</p> <p>EL 0729449-729452 11kV switchboard termination diagram</p>
Limitations:	<p>The following restrictions are in place:</p> <ol style="list-style-type: none"> 1. Can only be used in existing substations with space constraints. Future use of the switchgear will require evidence of design drawings demonstrating the space constraints. 2. As this switchgear does not have a separate disconnect, Sydney Trains is required to be consulted for compliance with their safety rules (ENSR). 3. Compliance with both the above requirements and approval from the Director Energy Networks & Systems, AMB is required prior to procurement.

Evaluating rail transport operator

Name:	Lidija Dumbaloska
Position:	Director Energy Networks & Systems, AMB, Transport for NSW
Signature:	<i>L. Dumbaloska</i>
Date:	16/08/2024

Product approval pack, objective reference number: qT524987