



Product Type Approval Certificate

Full

This certificate is issued to:

Supplier name and address:	Siemens Ltd. (Australia) 160 Herring Road, Macquarie Park, NSW, 2113
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In respect of:

Manufacturer:	Siemens AG
Place of manufacture:	Mozartstraße 33b, 91052, Erlangen, Germany
Product description:	<p>Model: Siemens Sitras SCD PABF_MF80</p> <p>Voltage Limiting Device (VLD) also known as Auto- Rail Earth Contactor (REC) in the RailCorp Electrical Network when used at a Traction Substation or Sectioning Hut.</p> <p>Device characteristics:</p> <ul style="list-style-type: none">• Maximum system voltage (U_n) 3000 V DC• Continuous rated current (I_{Ne}) 1500 A DC• Rated service current 250 ms (I_{Ncw}) 50 kA• Peak short circuit rating 80kA• 125V DC protection and control supply• SCADA indication and control
Use approved for:	Use on the RailCorp 1500 V DC Network
Conditions of approval:	<ul style="list-style-type: none">• Settings shall be site specific.• Any component, control, operating or configuration changes requires approval from the Director Energy Networks & Systems, TfNSW AMB.• Type approval is valid for the VLD as detailed on the following set of typical drawings for the RailCorp Electrical Network: EL 0782611 Rating plate (Rev B)

	EL 0782612 Overview diagram (Rev B) EL 0782613-22 Schematic diagram (Rev B) EL 0782624-27 Parts list (Rev B) EL 0782628-33 General arrangement (Rev B) EL 0782634-37 Terminal block arrangement (Rev B)
Limitations:	<ul style="list-style-type: none"> N/A

Evaluating rail transport operator

Name:	Lidija Dumbaloska
Position:	A/Director Energy Networks & Systems, Asset Management, Transport for NSW
Signature:	<i>L. Dumbaloska</i>
Date:	3 rd June, 2021

Product approval pack reference number: A9540568