



Product Type Approval Certificate

Full

This certificate is issued to:


Supplier name and address:	Austbreck Pty Ltd 34-36 Westpool Drive, Hallam VIC 3803
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In respect of:

Manufacturer:	Furrer+Frey AG
Place of manufacture:	Thunstrasse 35 CH-3000 Bern 6 Switzerland
Product description:	Retractable overhead conductor rail, including control and transition arrangement with overhead wiring, in accordance with the following drawings: <ul style="list-style-type: none">• Layout drawing EL0673058• Mechanical drawings EL0673057, EL0673059-71, EL0673073-82, EL067133, and EL067138-43• Control system drawings EL0673145-6, EL0673029-33, EL0673135-7, EL0673144, EL0673147-58, EL0673160-75, EL0673177, and EL0674663-80.
Use approved for:	Installation in Electric Vehicle Maintenance Centres in the TfNSW Metropolitan Heavy Rail network
Conditions of approval:	<ul style="list-style-type: none">• The interface arrangements with the lock out system in the maintenance depot shall be detailed in the design of the retractable overhead conductor rail (ROCR) installation. Refer to SPG 1255 <i>Lock Out System for Overhead Wiring in Maintenance Depots</i>.• An earthing and bonding design for the maintenance depot area shall be done in conjunction with the design of the ROCR installation.• The ROCR shall be installed, commissioned and maintained by personnel that have been trained and

	certified by Furrer+Frey.
Limitations:	Nil

Evaluating rail transport operator

Name:	Terry Niemeier
Position:	Lead Electrical Engineer, Asset Standards Authority, Transport for NSW
Signature:	
Date:	11/11/2019

Product approval pack reference number: fA969465