



AUSTRALIAN RAIL TRACK CORPORATION

Certificate No.: **TAS-05-1229-128**

NEW EQUIPMENT & SYSTEM APPROVAL CERTIFICATE

Approval date: 10th October 2012

Approved by: T. Moore

Report no.: TAS 05-1229-EA-128

Report date: 29th June 2012

This certificate is issued to:

Supplier: Eaton Industries Pty Ltd

In respect of:

Manufacturer: Eaton Industries Pty Ltd
10 Kent Road
Mascot NSW 2020
Australia

Product description: 9130 UPS SYSTEM

Item identification: Powerware 9130 UPS

Application: Typically used to provide a short term power supply to vital equipment within the rail network.

Relevant Standards: ESD 09-01 - 'Signalling Power Systems';
SPS 02 - 'Environmental Conditions';
SPS 05 - 'Electrical & Electronic Components (Ratings & Construction Requirements)';
SPS 22 - 'Power Supply Units for Signalling Equipment- General Requirements';

Conditions of Approval:

1. Full type approval has been given for the use of Eaton's 9130 UPS under the assumption that they would be used in locations defined in SPS02 as type A1 and A2. Thus they must be based at a control centre that is continuously manned and air-conditioned/heated.
2. For use in accordance with ARTC signals construction standards and standard typical circuits only.
3. Only components from the list may be utilised.
4. Any changes to the design or materials are not covered by this approval certificate and are to be submitted to ARTC to be re-approved.

A general condition of approval is that the supplier remains accredited to ISO 9001 specifically for these products and ARTC is advised on a 2 yearly basis that accreditation is current. ARTC reserves the right to conduct its own audit of the manufacture and supply of these components to AS 19011.

Any subsequent change to the design, materials or manufacturing process is not covered by this approval. The manufacturer should notify ARTC of any modification or changes in order to obtain a valid certificate.

Note/Comments: None

Issue date: 10 Oct 2012

Expiry date: N/A

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Issued by:

John Furness
ARTC Manager Standards

NEW EQUIPMENT & SYSTEM APPROVAL - APPROVED ITEM LIST

Reference no.: TAS 05-1008-EA
Date:
Product description: 9130 UPS SYSTEM
Certificate no.: S-05-1008-EA

The following lists the individual items (by catalogue number) are approved for use on ARTC infrastructure under the above referenced New Equipment & System Approval Certificate number, subject to any conditions shown on that Certificate and the Conditions of Use shown against individual items.

Catalogue/Part No.	Item Type	Description	Conditions of Use <i>(including Version number if applicable)</i>
9130-3000LVHW-ER0715	3kVA 120V UPS system	UPS Rating : 3 kVA (Hard-wired) Back-up Time : 8 minutes @ 3 kVA/2.1 kW Part Number : 9130-3000LVHW-ER0715 Input Voltage : 80-144V/1 phase Output Voltage : 120V ± 2%/1 phase Wiring method : Junction Box	Must be used in a location as defined in SPS02 as type A1 and A2.
MBS11NSB40BW-ERXX	Bypass switch	External Maintenance Bypass Switch to allow future removal or disconnect of UPS from existing circuit without interruption to UPS load.	
ConnectUPS-BD	Software	ConnectUPS SNMP/Web adaptor to remotely monitor and control UPS through SNMP or web browser.	

Legend: