



AUSTRALIAN RAIL TRACK CORPORATION

Certificate No.: **S-05-1214-WR132**

## NEW EQUIPMENT & SYSTEM APPROVAL CERTIFICATE

**Approval date:** 12<sup>th</sup> May 2014

**Approved by:** Operations Safety & Environment  
Review Group

**Report no.:** TAR-05-1214-WR132

**Report date:** 25<sup>th</sup> February 2013

This certificate is issued to:

**Supplier:** **Weidmuller**

In respect of:

**Manufacturer:** **Weidmuller**  
43 Huntingwood Drive  
Huntingwood  
NSW 2148

**Product description:** **PRO M SWITCH-MODE DC POWER SUPPLY**

**Item identification:** **Switch-mode DC Power Supply**

**Application:** Typically used to supply Non-Vital signalling equipment.

**Relevant Standards:** ARTC 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';  
SPS 28 – 'Power Supply Units for Signalling Equipment - DC (Filtered) Units'.

- Conditions of Approval:**
1. Full type approval has been given for the use of the 'Weidmuller' Pro M Switch-mode DC power supplies provided it is used with either the CP M DM20 or 40 diode blocking module for any parallel, series or standalone configurations.
  2. To be used to power Non-Vital signalling equipment only.
  3. For use in accordance with ARTC signals construction standards and standard typical circuits only.
  4. Only units from the list may be utilised.
  5. Any changes to the design or materials that are not covered by this approval certificate are to be submitted to ARTC to be re-approved.
  6. The units shall not be used for charging batteries.

*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.*

**Issue date:** 22<sup>nd</sup> May 2014

**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-05-1214-WR132**  
 Date: 25<sup>th</sup> February 2013  
 Product description: **PRO M SWITCH-MODE DC POWER SUPPLY**  
 Certificate no.: **S-05-1214-WR132**

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	Product name	Conditions of Use
8951330010 (metal clip)	PSU (Switch-mode)	24V 3A	CP M SNT 70W 24V 3A	Non-vital application
8951340010 (metal clip)	PSU (Switch-mode)	24V 5A	CP M SNT 120W 24V 5A	Non-vital application
8951350010 (metal clip)	PSU (Switch-mode)	24V 7.5A	CP M SNT 180W 24V 7.5A	Non-vital application
8951360010 (metal clip)	PSU (Switch-mode)	24V 10A	CP M SNT 250W 24V 10A	Non-vital application
8951370010 (metal clip)	PSU (Switch-mode)	24V 20A	CP M SNT 500W 24V 20A	Non-vital application
8951380010 (metal clip)	PSU (Switch-mode)	24V 40A	CP M SNT 1000W 24V 40A	Non-vital application

To be included in this type approval for use with the above equipment

Catalogue/Part No.	Item Type	Description	Product name	Conditions of Use
1222210010	Diode module	Rated 20A	CP M DM20	To be used with Weidmuller Pro M PSUs
1222220010	Diode module	Rated 40A	CP M DM40	To be used with Weidmuller Pro M PSUs
1222230000	Relay module	PSU failure indication	CP M RM24	To be used with Weidmuller Pro M PSUs

Legend:	Description
PSU	Refers to Power Supply Unit.
-	PSUs are not to be used for charging batteries.