



AUSTRALIAN RAIL TRACK CORPORATION

Certificate No.: **S 02-0611-035b**

NEW EQUIPMENT & SYSTEM APPROVAL CERTIFICATE

Approval date: 3rd March 2014

Approved by: Review Panel

Report no.: TAR-02-0611-035b

Report date: 10th February 2014

This certificate is issued to:

Supplier: **SIEMENS**

In respect of:

Manufacturer: **SIEMENS**
380 Docklands Drive
Docklands 3008
Victoria, Australia

Product description: **D150 DERAILER & C150 CROWDER MKI**

Item identification: **SEE APPROVED ITEM LIST**

Application: Controlled derailment of rollingstock across the entire ARTC network

Relevant Standards: SPS 02 - 'Environmental Conditions'

Conditions of Approval:

1. Derailer D150 only to be used up to maximum speed of 10kph,
2. Derailer D150 with Crowder C150 to be used up to maximum speed of 15kph,
3. Ballast drag must be installed in every installation of the derailer or derailer with crowder of appropriate length,
4. Crowder may only be used with derailer,
5. Installation on other than timber sleepers shall require a suitable fixing method to be designed and submitted for approval,
6. Suitable for installation only on track not normally used to stable motive power units,
7. Suitable for installation only on siding track,
8. Drive mechanism shall provide a minimum stroke of 155mm to the derailer, and
9. Signalled moves shall not be designed to pass over the derailer in the open (reverse) position
10. Only components on approved list to be used,
11. Must be installed on straight track or outside rail of curved track,
12. Must be installed as per manufacturers installation guideline

Note/Comments: None

Issue date: 3/03/2014

Expiry date: N/A

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Issued by:

John Furness
ARTC Manager Standards

NEW EQUIPMENT & SYSTEM APPROVAL - APPROVED ITEM LIST

Product description: SIEMENS D150 DERAILER AND C150 CROWDER MKI

Certificate No: S 02 0611 035

The following lists the individual types (by catalogue number) of MKI D150 and C150 parts manufactured by SIEMENS which are type approved for use in signalling circuits on ARTC infrastructure under Type Approval Certificate **S-02-0611-035** subject only to any conditions shown on that Certificate and the Conditions of Use shown against individual types.

For use in sidings.

Part number	Rail Section	Designation / Configuration	Conditions of use
1330100201	47kg / 50kg / 53kg / 60kg	D150 - Derailer	Right Hand Throw off
2330100301		C150 - Crowder	
1330100202		D150 - Derailer	Left Hand Throw off
1330100401		C150 - Crowder	
3330301211	n/a	Coupling Rod Complete	For standard gauge
Height Adjustment Plates			
4330000201	50kg/53kg Plated Rail	D150 - 16mm Plate	For spike or screw fastened rail
4330000202		C150 - 16mm Plate	
4330000204		D150 - 20mm Plate	For clip fastened rail
4330000205		C150 - 20mm Plate	
4330000207	60kg Plated Rail	D150 - 32mm Plate	For spike or screw fastened rail
4330000208		C150 - 32mm Plate	
4330000210		D150 - 36mm Plate	For clip fastened rail
4330000211		C150 - 36mm Plate	