

Certificate No.	NESA-S026	Version No. v1.2
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Approval date	21 February 2023
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Approved by	Head of Engineering Standards
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This certificate is issued to

Supplier	Siemens Level 7, 380 Docklands Drive Docklands, Victoria 3008
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In respect of

Manufacturer	Siemens
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Product description	Siemens M23A MkIII points machine
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Item identification	See Approved Items List
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Application	Signalling
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Relevant Standards	ESD-07-01 Points SPS 02 Environmental conditions SPS 05 Electrical components (Rating and Construction Requirements) SPS16 Points Mechanisms
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Conditions of Approval	<ol style="list-style-type: none"> 1. For use in accordance with the manufacturer’s requirements and ARTC signalling standards. 2. Only items listed as approved shall be utilised. 3. To be maintained in accordance with TMP, Service schedule and manufacturer’s manuals. 4. Maintainers shall be trained in the installation and maintenance of the points machine by Projects/Business Units. 5. Staff responsible for the manual operation of the point machine during the failure or possession shall be trained by business units/projects. 6. May only be used where all train movements through the points in a trailing direction are carried out either under the authority of the interlocking equipment or after a suitably qualified person has set manually the points in the correct position.
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NEW EQUIPMENT AND SYSTEM APPROVAL CERTIFICATE

7. Fitting of any additional lock to secure manual operation levers shall be undertaken in accordance with separately approved mechanical designs and/or production processes.
8. Other components not included in the approved list are to be supplied and managed by Siemens as per its quality management process. Any changes or issues with these components which may affect safety or reliability shall be notified to ARTC.

A general condition of approval is that the supplier remains accredited to ISO 9001 specifically for these products and ARTC is advised on a 12 monthly 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

Issue date 21/02/2023

Expiry date N/A

Issued by

ARTC Manager Signalling Standards

Table 1 - Approved Item List

ITEM DESCRIPTION	PART NUMBER
POINT MACHINE	
M23A MK3 Point machine Brass Rotor Motor 110VAC 189:1 Double Cut wiring – Base machine without detection and lock bars	101072
M23A MK3 PM 110VAC 189:1 Complete with Detection and Lock Bars and Fortress Lock Mount	110416881
M23A MK3 PM 110VDC 189:1 Complete with Detection and Lock Bars and Fortress Lock Mount	113570090
M23A MK3 Point machine Permanent magnet 110V DC 189:1 double cut wiring – Base machine without detection and lock bars	113570100
M23A MK3 Split field motor 24v DC 360:1 Standard detection - Base machine without detection and lock bars	102552
M23A MK3 SF 110VDC 189:1 Complete with Detection and Lock Bars and Fortress Lock Mount	113665997

NEW EQUIPMENT AND SYSTEM APPROVAL CERTIFICATE

M23A MK3 Point machine SF 110V DC 189:1 double cut wiring – Base machine without detection and lock bars	113665999
M23A MK3 PM motor 24v DC 360:1 Standard detection - Base machine without detection and lock bars	101746
LOCK BAR and DETECTION RODS	
Lock bar 76mm to 152mm (SWITCH)	M29067
Lock bar 25mm to 101mm (SNX)	M31065
Detection Rod 76mm to 152mm 3/4" BSW (SWITCH)	100648
Detection Rod 76mm to 152mm SS M18 (SWITCH)	100858
Detection Rod 25mm to 101mm 3/4" BSW (SNX)	100652
Detection Rod 25mm to 101mm SS M18 (SNX)	100856
MAJOR ASSEMBLY	
Circuit Controller Assembly Double Cut	100495
Motor Isolation Switch Assembly	335217501
Motor Assembly 110Vac Brass Rotor	520101202
Motor Clutch Assembly	335217601
Transmission Gear Assembly 189:1	335217002
Transmission Gear Assembly 360:1	335217001
Motor 24v DC Split Field	102553
Motor 110v DC Permanent Magnet	8090693
Motor 24v DC Permanent Motor	809696
Motor 110v DC Split Field	113666001