

# NEW EQUIPMENT AND SYSTEM APPROVAL CERTIFICATE

<b>Certificate No.</b>	<b>NESA-S026</b>	<b>Version No: 1.3</b>
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<b>Approval date</b>	23 September 2024
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<b>Approved by</b>	Manager Engineering Services
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*This certificate is issued to*

<b>Supplier</b>	Siemens Level 7, 380 Docklands Drive Docklands, Victoria 3008
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*In respect of*

<b>Manufacturer</b>	Siemens
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<b>Product description</b>	Siemens M23A MkIII points machine
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<b>Item identification</b>	See Approved Items List
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<b>Application</b>	Signalling
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<b>Relevant Standards</b>	ESD-07-01 Points SPS 02 Environmental conditions SPS 05 Electrical components (Rating and Construction Requirements) SPS16 Points Mechanisms
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<b>Conditions of Approval</b>	<ol style="list-style-type: none"> <li>For use in accordance with the manufacturer's requirements and ARTC signalling standards.</li> <li>Only items listed as approved shall be utilised.</li> <li>To be maintained in accordance with TMP, Service schedule and manufacturer's manuals.</li> <li>Maintainers shall be trained in the installation and maintenance of the points machine by Projects/Business Units.</li> <li>Staff responsible for the manual operation of the point machine during the failure or possession shall be trained by business units/projects.</li> <li>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.</li> </ol>
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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**

**Expiry date** N/A

**Approved by:**

**Manager Engineering  
Services**

**Table 1 - Approved Item List**

ITEM DESCRIPTION	Part Number	SAP Number
POINT MACHINE		
M23A MK3 Point machine Brass Rotor Motor 110VAC 189:1 Double Cut wiring – Base machine without detection and lock bars	105409	113810391
M23A MK3 PM 110VAC 189:1 Complete with Double Detection and Lock Bars and Fortress Lock Mount (With 102mm Drop Detection Lugs)	N/A	113810393
M23A MK3 PM 110VAC 189:1 Complete with Double Detection Bar and Lock Bars and Fortress Lock Mount (No Drop Lugs)	N/A	115009740
M23A MK3 PM 110VAC 189:1 Complete with Single Detection Bar and Lock Bars and Fortress Lock Mount (No Drop Lugs)	N/A	115009741
M23A MK3 Point machine Permanent magnet 110V DC 189:1 double cut wiring – Base machine without detection and lock bars	104800	113570100
M23A MK3 PM 110VDC 189:1 Complete with Double Detection and Lock Bars and Fortress Lock Mount (With 102mm Drop Detection Lugs)	N/A	113570090
M23A MK3 PM 110VDC 189:1 Complete with Double Detection Bars and Lock Bars and Fortress Lock Mount (No Drop Lugs)	N/A	115009732
M23A MK3 PM 110VDC 189:1 Complete with Single Detection Bars and Lock Bars and Fortress Lock Mount (No Drop Lugs)	N/A	115009738
M23A MK3 Split field motor 24v DC 360:1 Double Cut Wiring-Base machine without detection and lock bars	106218	115050918
M23A MK3 SF 110VDC 189:1 Complete with Detection and Lock Bars and Fortress Lock Mount	N/A	113665997
M23A MK3 Point machine SF 110V DC 189:1 double cut wiring – Base machine without detection and lock bars	104879	113665999
M23A MK3 PM motor 24v DC 360:1 Standard detection - Base machine without detection and lock bars	106255	115050919
<b>LOCK BAR and DETECTION RODS</b>		
Lock bar 76mm to 152mm (SWITCH)	M29067	106254353
Lock bar 25mm to 101mm (SNX)	M31065	106254500
Detection Rod 76mm to 152mm 3/4" BSW (SWITCH)	100648	109632102
Detection Rod 25mm to 101mm 3/4" BSW (SNX)	100652	109632335

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MAJOR ASSEMBLY		
Circuit Controller Assembly Double Cut	104897	113685401
Motor Isolation Switch Assembly	335217501	107059873
Motor Assembly 110Vac Brass Rotor	520101202	109476232
Motor Clutch Assembly	335217601	107059889
Transmission Gear Assembly 189:1	335217002	107059868
Transmission Gear Assembly 360:1	335217001	107059867
Motor 24v DC Split Field	106034	115064211
Motor 110v DC Permanent Magnet	520101102	108046551
Motor 24v DC Permanent Motor		115064210
Motor 110v DC Split Field	106221	115064213