

**Certificate No. S-02-1511-179A**

**Approval date** 20/03/2016  
**Approved by** GM Technical Standards  
**Report no.** TAS 02-1511-SI179  
**Report date** 18/11/2016

*This certificate is issued to*

**Supplier** Siemens Rail Automation  
380 Docklands Drive, Melbourne  
VIC, Australia 3008

*In respect of*

**Manufacturer** Siemens Rail Automation  
**Product description** Points Machine M23A  
**Item identification** Refer to Approved Item List  
**Application** ARTC Network Wide  
**Relevant Standards** SPS 02 Environmental Conditions  
SPS 16 Points Mechanisms  
SDS 14 Points

**Conditions of  
Approval**

1. Only approved listed equipment shall be utilised in accordance within their applicable jurisdiction.
2. For use in accordance with ARTC signals construction standards and standard typical circuits only.
3. 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 set the points in the correct position.
4. For use in areas where train crews are required to operate point machines during normal operations or in the event of failure of remote control arrangements.
5. Fitting of any additional lock to secure manual operation levers shall be undertaken in accordance with separately approved mechanical designs and/ or production process.
6. The unit must be fitted with a readily visible label stating the Equipment Serial Number and/or Version Number as appropriate, along with the manufacturer's identification and date of manufacture.

*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 updated certificate.*

**Note/Comments**

This document supersedes **08-08-10-032 (Approved 06 Dec 2006)**.

**Issue date** 20 March 2017

**Expiry date**

**Issued by**



**John Furness**

**ARTC Manager Standards**

**Type Approval Status**

Issue 1 – S-02-1511-179 – Points Machine M23A – Superseded

Issue 2 – S-02-1511-179A – Points Machine M23A – Current

Approved Item List

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Piece/ Catalogue No.	Description	Stroke	Voltage	Gearbox Ratio	Conditions	Conditions of Use				
						Applicable Jurisdiction(s)				
						SA	VIC	NSW	WA	QLD
2335000423	M23A MKII POINT MACHINE WITH 102mm DROP DETECTION LUGS M20 THRU HOLE	76-152 mm	110V AC	189:1	May be used only in areas where running rails carry no AC traction current. For Non-trailable use only.	x	x	✓	N/A	✓
M31378	M23A MKII POINT MACHINE, WITH SHORT AND LONG DETECTION LUGS	76-152 mm	110V AC	189:1	May be used only in areas where running rails carry no AC traction current. For Non-trailable use only.	✓	✓	x	✓	N/A
M31379	M23A MKII POINT MACHINE, WITH TWO SHORT DETECTION LUGS	76-152 mm	110V AC	189:1	May be used only in areas where running rails carry no AC traction current. For Non-trailable use only.	✓	✓	x	✓	N/A
M31411	M23A MKII POINT MACHINE, WITH TWO SHORT DETECTION LUGS	76-152 mm	24V DC SPLIT FIELD	360:1	May be used only in areas where running rails carry no DC traction current. May be used only in areas where running rails carry no AC traction current. For Non-trailable use only.	✓	✓	x	✓	N/A
2335000403	M23A MKII POINT MACHINE, WITH SHORT AND LONG H.I. DETECTOR LUGS	76-152 mm	24V DC PERM. MAG,	360:1	May be used only in areas where running rails carry no DC traction current. AC immune control by two QBCA relays. For Non-trailable use only.	✓	✓	x	✓	N/A
2335000406	M23A MKII POINT MACHINE, WITH TWO SHORT DETECTION LUGS	76-152 mm	110V DC PERM. MAG,	189:1	May be used only in areas where running rails carry no DC traction current. For Non-trailable use only.	✓	✓	x	✓	N/A
2335000407	M23A MKII POINT MACHINE, WITH SINGLE DETECTOR BAR AND SELECTOR LEVER NAMEPLATE BRACKET	25.4-101 mm	110V DC PERM. MAG,	189:1	May be used only in areas where running rails carry no AC traction current. May be used to drive Swing-Nose Crossings. For Non-trailable use only.	✓	✓	x	✓	N/A