

## NEW EQUIPMENT AND SYSTEM APPROVAL CERTIFICATE

### Certificate No. S 01 1701-MS203

**Approval date** 12/1/2017  
**Approved by** GM Technical Standards  
**Report no.** TAS 01-1701-MS203  
**Report date** 09/01/2017

*This certificate is issued to*

**Supplier** Wabtec Control Systems Pty Ltd  
Ground Floor  
371 Macarthur Avenue  
Hamilton  
QLD 4007

*In respect of*

**Manufacturer** Mors Smitt  
**Product description** SEC1 (QEC1) Vital Relay  
**Item identification** Refer to Approved Item List.

**Application** ARTC Network Wide  
**Relevant Standards** SPS 02 Environmental Conditions  
SPS 10 Relays Plug-in Vital

**Conditions of Approval**

1. Only the approved equipment in the attached list may used
2. For use in accordance with ARTC specification SDS25 – 'Circuit Design Standards' and standard typical circuits.
3. 16W LEDs to be used to achieve 100ms slow to drop functionality
4. 24W LEDs to be used to achieve 200ms slow to drop functionality.

*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.*

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Note/Comments      NIL.

Issue date

Expiry date      N/A

Issued by

John Furness

ARTC Manager Standards



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### Approved Item List – SEC1 (QEC1) Vital Relay

Catalogue No.	Type Description Mors Smitt reference (Westinghouse reference)	Rated Current	Pin Code	Specification	Conditions of Use
<b>S-01-1701-203</b>					
<b>Relays:</b>					
TY133/GRP02	SEC1 (QEC1)	2.2A D.C.	081 (A, B, D, J, K)	BRB940A	16W LEDs = 100ms (slow to drop) 24W LEDs = 200ms (slow to drop)

### Approved Repairers – SEC1 (QEC1) Vital Relay

Organisation	Contact details	Conditions
Mors Smitt Graycar Business Park, Barton under Needwood, Burton on Trent, Staffordshire DE13 8EN, United Kingdom	+44 1283 722650	-