

NEW EQUIPMENT AND SYSTEM APPROVAL CERTIFICATE

Certificate No. S-01-1205-122b

Approval date 16 March 2015
Approved by Review Panel
Report no. TAR-01-1205-GE122
Report date 20 March 2014

This certificate is issued to

Supplier GE Transportation Systems Pty Ltd

In respect of

Manufacturer GE Transportation Systems Pty Ltd
 63 Karel Avenue
 Jandakot WA 6164

Product description MDSA (Motion Detector Surge Arrestor)

Item identification Motion Detector Surge Arrestor

Application GE MDSA approved for use for protection of XP4 and HXP-3 Predictor Level Crossings as manufactured by GE.

Relevant Standards SPS 02 – Environmental Conditions
 ESC-09-02 – Lightning and Surge Protection Requirements
 ESC-03-01 – Level Crossing Equipment

Conditions of Approval 1. To be installed in accordance with the following performance requirements:

The MDSA (Motion Detector Surge Arrestor) is to be used for the protection of XP4 and HXP-3 Predictor Level Crossings as manufactured by GE only.

There are two variants of the MDSA; the MDSA-1 & 2 and the MDSA-1XS & 2XS (the 1 and 2 dictates if the MDSA is to be used with single or double track layouts).

MDSA-1 and MDSA-2 are manufactured to support HXP-3 with a maximum battery B12/N12 draw of 6 amps.

MDSA-1XS and MDSA-2XS are manufactured to support XP4 where the addition of application modules can increase the battery B12/N12 draw up to 12 amps.

Each predictor track must use an MDSA.

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Predictor tracks cannot share the same MSDA.

Track Count	MSDA variant	Predictor X'ing type
Single Track	MDSA-1	HXP-3
Double Track	MDSA-2	HXP-3
Single Track	MDSA-1XS	XP4
Double Track	MDSA-2XS	XP4

2. To be installed in accordance with the manufacturers installation requirements.

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.

Issue date 7 April 2015

Expiry date N/A

Issued by

John Furness
ARTC Manager Standards