

Certificate No. NESA-S046 (v1.0)

Approval date 10/02/2020
Approved by GM Technical Standards *P.D. C.*
Report no. NESA-S046
Report date 31 October 2019

This certificate is issued to

Supplier Phoenix Contact
 Unit 7, 2-8 South Street
 RYDALMERE 2116

In respect of

Manufacturer Phoenix Contact
Product description Trio UPS 2G
Item identification TRIO-UPS-2G/1AC/24DC/10 (P/n: 2907161)
Application ARTC Network Wide
Relevant Standards SPS 02 Environmental Conditions
 SPS 05 Electrical & Electronic Components (Ratings & Construction Requirements)
 SPS 22 Power Supply Units for Signalling Equipment – General Requirements
 ESD-09-01 Signalling Power Systems
 SPS 28 Power Supply Units for Signalling Equipment – DC Filtered Units

Conditions of Approval

1. The units are suitable to be installed in equipment housings where temperatures do not exceed 70°C. Derating must be considered >60° to a maximum temperature of 70° at 2.5%/K.
2. Only equipment listed is approved for use.
3. Suitable cable lugs shall be used for all connections to the power supply.
4. There are no field serviceable components within the unit, any failed units shall be replaced.
5. Diode block is not required if installed in N+1 arrangement.
6. Maximum 140Ah battery capacity is permitted to be installed.

NEW EQUIPMENT AND SYSTEM APPROVAL CERTIFICATE

7. Only VRLA batteries may be charged from the system.
8. Maximum cable conductor size of:
 - a. 1.5mm² flexible conductor (Indication/data connections)
 - b. 2.5mm² flexible conductor (Input / output connections)
 - c. 6mm² flexible conductor (battery connection)
9. Minimum vertical separation of 50mm between the TRIO and other equipment shall be allowed for to enable convection cooling.

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 10/02/2020

Expiry date N/A

Issued by

Mayank Jain

Manager Signalling Standards