

NEW EQUIPMENT AND SYSTEM APPROVAL CERTIFICATE

Certificate No. S 05-1808-237

Approval date 23 November 2018
Approved by GM Technical Standards
Report no. TAS 05-1808-PC237
Report date 01 November 2018

This certificate is issued to

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

In respect of

Manufacturer Phoenix Contact
Product description Quint -UPS / 1AC / 1AC / 500VA with lithium ion batteries
Item identification Refer to Approved Item List.
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

<p>General</p>	<ol style="list-style-type: none"> [1]. The units are suitable to be installed in equipment housings where temperatures do not exceed 50°C. Derating must be considered between >50° to a maximum temperature of 70° at 2.5%/K [2]. A crimped 'boot lace' ferrule must be used when terminating indication wires to the front of the UPS unit. [3]. Only the copper alloy (quick Connect FASTON or Equivalent) terminal arrangement is approved for use with battery terminals [4]. There are no field serviceable components within the units; any failed units shall be replaced. [5]. Quint UPS – 500VA units installed with NEC - ALM 12V7s lithium ion batteries shall be used only in non-vital applications.
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Supplier	<p>[6]. The supplier/manufacture must advise ARTC of any changes made to the product or system which may alter its identification, performance characteristics, form, fit, function or processes required for correct usage so that this approval can be revised or reviewed.</p> <p>[7]. A general condition of approval is that the supplier/manufacture 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 AS19011.</p> <p>[8]. 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 to obtain a valid updated certificate.</p> <p>[9]. All documentation and manuals from the supplier / manufacturer shall be in English. The Supplier shall advise of any updates to the documents.</p>
Design / Installation / Maintenance	<p>[10]. Only the type approved Lithium Ion batteries shall be used with the Quint UPS. Refer to the below Approved Item List.</p> <p>[11]. The battery temp sensor must be securely mounted between battery cells where possible.</p> <p>[12]. No smoking in the proximity of the batteries is allowed.</p> <p>[13]. Personnel Protective Equipment (PPE) must be worn whenever handling the batteries (gloves, glasses etc).</p> <p>[14]. Batteries must be installed away from direct sunlight, in clean locations with ventilation</p> <p>[15]. Wire brushes must not be used to clean terminals, only soft non-metal brushes are allowed.</p> <p>[16]. Life expired batteries are only to be disposed of through a battery recycling organisation or returned back to local supplier.</p> <p>[17]. Follow the manufacturer instruction while (transportation, storage, designing, installation, maintenance and disposal) of lithium ion batteries.</p>

Note/Comments

For use in non-vital applications only.

Issue date

26 November 2018

Expiry date

N/A

Issued by



John Furness

ARTC Manager Standards

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Approved Item List:

Part Number	Description	Condition of Use
2320270	QUINT-UPS/ 1AC/ 1AC/500VA	
2320351	UPS-BAT/LI-ION/24DC/120WH Battery Type - NEC ALM 12V7s	For use only with Quint-UPS power supply

Other Accessories

Part Number	Description
2320490	IFS-RS232-DATACABLE
2320500	IFS-USB-DATACABLE
2901103	IFS-CONFSTICK-L
2313452	FL COMSERVER UNI 232/422/485

