

## NEW EQUIPMENT AND SYSTEM APPROVAL CERTIFICATE

**Certificate No. NESA-S024 (v1.2)**

**Approval date** 10 October 2022

**Approved by** A/GM Technical Standards

*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 4- Power Supplies (AC Input to DC Output)

**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

<i>General</i>	<i>1. The units are suitable to be installed in equipment housings where temperatures do not exceed 60°C. Derating must be considered between &gt;60° to a maximum temperature of 70° at 2.5%/K.</i>
	<i>2. Only equipment listed is approved for use.</i>
	<i>3. A crimped 'boot lace' ferrule must be used when terminating indication wires to the front of the unit.</i>
	<i>4. There are no field serviceable components within the unit; any failed units shall be replaced.</i>
	<i>5. The power supply must not be used for the charging of a battery.</i>
	<i>6. A separate diode block is not required when configured in redundant (N+1) arrangements.</i>

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<p><i>Supplier</i></p>	<p>5. The supplier/manufacturer 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>6. A general condition of approval is that the supplier/manufacturer 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>7. 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.</p>
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**Note/Comments**      NIL.

**Issue date** 10/10/2022

**Expiry date**      N/A

**Issued by**

**Manager Signalling Standards**

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### Approved Item List – Quint 4 Power Supplies

Part Number	Description	OUTPUT CURRENT RATING (A DC)
2904605 - Quint4-PS/1AC/12DC/2.5/P.T	120V AC (input) to 12V DC (output) power supply	2.5
2904607 - Quint4-PS/1AC/12DC/7.5/P.T	120V AC (input) to 12V DC (output) power supply	7.5
2904608 - Quint4-PS/1AC/12DC/15	120V AC (input) to 12V DC (output) power supply	15
2909575 - Quint4-PS/1AC/24DC/1.3/P.T or 2904597 - Quint4-PS/1AC/24DC/1.3/SC	120V AC (input) to 24V DC (output) power supply	1.3
2909576 - Quint4-PS/1AC/24DC/2.5/P.T or 2904598 - Quint4-PS/1AC/24DC/2.5/SC	120V AC (input) to 24V DC (output) power supply	2.5
2909577 - Quint4-PS/1AC/24DC/3.8/P.T or 2904599 - Quint4-PS/1AC/24DC/3.8/SC	120V AC (input) to 24V DC (output) power supply	3.8
2904600 - Quint4-PS/1AC/24DC/5	120V AC (input) to 24V DC (output) power supply	5
2904601 - Quint4-PS/1AC/24DC/10	120V AC (input) to 24V DC (output) power supply	10
2904602 - Quint4-PS/1AC/24DC/20	120V AC (input) to 24V DC (output) power supply	20
2904610 - Quint4-PS/1AC/48DC/5	120V AC (input) to 48V DC (output) power supply	5
2904611 - Quint4-PS/1AC/48DC/10	120V AC (input) to 48V DC (output) power supply	10
2904612 – QUINT4-PS/1AC/48DC/20	120V AC (input) to 48V DC (output) power supply	20
<b>Other Items</b>		
2909681 - TWN4 MIFARE	Programming Adaptor - TWN4 MIFARE NFC USB adaptor	

P.T = Push terminal

SC = Screw terminal