ARTC

NEW EQUIPMENT AND SYSTEM APPROVAL CERTIFICATE

P.N.lf

Certificate No. NESA-S050

Approval date

10/2/2020

Approved by

GM Technical Standards

Report no.

NESA-S050

Report date

20/12/2019

This certificate is issued to

Supplier

Pivot Electronics Pty Ltd

Unit 17, 3 Apollo Street, Warriewood

NSW, Australia 2102

In respect of

Manufacturer

Pivot Electronics

Product description

Dual Redundancy Surge Reduction Filter

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)

ESD-09-01 Signalling Power Systems

SCP 04 Surge Protection Requirements

Conditions of Approval

- 1. All labeling shall be permanently affixed, clearly legible, and of a material which will not fade due to weathering over time or repeated handling.
- 2. Input and Output terminals shall be labelled 'Line 1', 'Line 2', 'Equipment 1' and 'Equipment 2' respectively. The Earth terminal shall be labeled 'Signalling Earth'.
- A local isolator will be required to be installed in tandem with the SRF unit. This will enable the incoming supply cable to be isolated to allow any maintenance or replacement of the SRD module to be performed.
- 4. The unit must be fitted with a readily visible label stating the Equipment Serial Number and/or Version Number as appropriate, along with the manufacturer's identification and date of manufacture.



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- 5. For use in accordance with ARTC specification ESD-09-01 Signalling Power Systems and ARTC signals construction standards.
- 6. Cable termination suitable for the following sized cables only (to be specified with placing orders):

Smaller sized cables: 0.2-6mm²

ii. Standard sized cables: 10-50mm²

iii. Larger sized cables: 25-90mm²

7. The SRF consists of sacrificial units (cartridges) which are not repairable.

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.

Note/Comments

Issue date

Issued by

Expiry date

N/A

Mayank Jain

ARTC Manager Signalling Standards

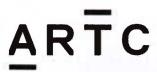


NEW EQUIPMENT AND SYSTEM APPROVAL CERTIFICATE

Approved Item List

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Pivot Electronics Part Number	Phase	Nominal Voltage	Rated Current	Cable Size	Conditions of Use
1451 SRF 018 5050			20A	≤50mm EXT, ≤50mm INT	
1451 SRF 019 5050		120V AC	32A	≤50mm EXT, ≤50mm INT	
1451 SRF 020 5050	SINGLE PHASE	120V AC	63A	≤50mm EXT, ≤50mm INT	
1451 SRF 021 5050			100A	≤50mm EXT, ≤50mm INT	
1451 SRF 001 5050		240V AC	20A	≤50mm EXT, ≤50mm INT	
1451 SRF 002 5050			32A	≤50mm EXT, ≤50mm INT	
1451 SRF 003 5050			63A	≤50mm EXT, ≤50mm INT	
1451 SRF 004 5050			100A	≤50mm EXT, ≤50mm INT	
1451 SRF 005 5050		415V AC	32A	≤50mm EXT ≤ 50mm INT	
1451 SRF 006 5050			63A	≤50mm EXT ≤ 50mm INT	
1451 SRF 007 5050			100A	≤50mm EXT ≤ 50mm INT	
1451 SRF 009 5050	3- PHASE	415V AC	100A	≤50mm EXT, ≤50mm INT	
1451 SRF 009 9550			100A	≤95mm EXT, ≤50mm INT	
1451 SRF 010 5050			160A	≤50mm EXT, ≤50mm INT	8
1451 SRF 010 9550			160A	≤95mm EXT, ≤50mm INT	
1451 SRF 008 5050			63A	≤50mm EXT, ≤50mm INT	
1451 SRF 014 9595	2		250A	≤95mm EXT, ≤95mm INT	



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Pivot Electronics Part Number	Description	Conditions of Use
REPLACEMENT C	ASSETTES	
1451.SRF.013	SRF Cassette Red 3-Phase 415V 160KA	
1451.SRF.012	SRF Cassette Black 1-Phase 240V 160KA	
1451.SRF.025	SRF Cassette Yellow 1-Phase 120V 160KA	
1451.SRF.014	SRF Cassette Blue 1-Phase 415V 160KA	