

Certificate No. NESA-S109

Version No. 1.0

Certificate type	Full
Approval date	26 March 2025
Approved by	Manager Engineering Services
ARTC Inventory Product No.	N/A

This certificate is issued to

Supplier	Elsafe Australia Pty Ltd 1/9 Rodborough Rd, Frenchs Forest NSW, Australia 2086
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In respect of

Manufacturer	Elsafe Australia Pty Ltd
Product description	Elsafe Surge Protection Cassettes & Termination modules
Supplier product no.	Refer to the Approved Item List for full details
Application	ARTC Network Wide
Relevant standards	SPS 02 Environmental Conditions ESC-09-02 Lightning and Surge Protection Requirements

**Conditions of
Approval**

Supplier:

1. Termination modules 216600A shall be wired in series mode (as dual disconnection link).
2. Earth screw on 216600A termination module shall be tightened to ensure that edges of module bracket penetrate surface of the mounting rail.
3. Maximum conductor size 6mm² per termination.
4. Elsafe 555715 module to be used with 216600A Termination Module, for all new installations.
5. Safety Isolation Cassettes should be used whenever a circuit is deliberately interrupted by the removal of a technical cassette.
6. Only components from following approved item list may be utilised in accordance with these general conditions and any individually annotated against items on the list.
7. Ongoing quality audits of the manufacturers production and distribution systems to confirm procedures are adequate to maintain ARTC quality requirements shall be undertaken.

ARTC reserves the right to conduct its own audit of the manufacture and supply of these components to AS 19011; as part of ARTC's Quality Controller Supplier (ESG-00-15)

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.



NEW EQUIPMENT AND SYSTEM APPROVAL CERTIFICATE

Issue date

Expiry date N/A

Issued by

26/03/2026

ARTC Manager Engineering Services



NEW EQUIPMENT AND SYSTEM APPROVAL CERTIFICATE

Approved Item List

Catalogue No.	Type Description	Nominal Voltage/ Current	Conditions of Use			
			Conditions	Mounting Arrangement	Use with Termination Modules	Mechanical Failure Condition Flag
External Circuit Protection						
216630	DC line/tail input circuit ripple filter and over-voltage clamp	DC- 30V	Designers shall allow for internal MOV leakage current (0.5mA) and circuit loop resistance (400Ω).	-	216600A	Fitted
216640	DC line/tail input circuit ripple filter and over-voltage clamp	DC- 50V	Designers shall allow for internal MOV leakage current (0.5mA) and circuit loop resistance (3kΩ).	-	216600A	Fitted
216655	DC line/tail output circuit surge diverter	DC- 50V	Maximum current = 1.0A.	-	216600A	Fitted
216660	AC line/tail output circuit surge diverter	AC- 110V	External circuit must have BX & NX conductors (NOT common return). Maximum current = 1.0A.	-	216600A	Fitted
216680	DC line/tail circuit surge diverter	DC- 290V		-	216600A	Not Fitted
216690	DC line/tail circuit surge diverter	DC-700v		-	216600A	Not Fitted

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Catalogue No.	Type Description	Nominal Voltage/ Current	Conditions of Use			
			Conditions	Mounting Arrangement	Use with Termination Modules	Mechanical Failure Condition Flag
555720	DC line/tail circuit over-voltage clamp	DC- 230V	External circuit must have B & N conductors (NOT common return).	-	216600A	Not Fitted
AF Circuit Protection						
216670	VF data line Modem/Fax over-voltage arrestor	DC- 50V 1000mA	Attenuation DC – 4kHz ±0.5dB, 4k–10kHz - 20dB.	-	216600A	Fitted
Track Circuit Protection						
555175	Spark gap/MOV track arrestor	DC – 50V	For AC, DC or AF track circuits having max 48V rail to rail.	-	216600A	Fitted
555715	Spark gap/MOV track arrestor	DC - 90V	For AC, DC or AF track circuits having max 48V rail to rail.	-	216600A	Not Fitted
555716	Spark gap/MOV track arrestor	DC - 90V	For AC, DC or AF track circuits having max 48V rail to rail.	-	216600A	Fitted
Power Supply Protection						
555128	Balanced power supply over-voltage arrestor	DC- 24V		-	216600A	Not Fitted
555670	Line to Line or Line to Earth surge arrestor/diverter	AC- 275V	May protect feeders originating from bus bars fitted with an ELD.	-	216605A	Fitted
555680		AC- 150V				

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Catalogue No.	Type Description	Nominal Voltage/ Current	Conditions of Use			
			Conditions	Mounting Arrangement	Use with Termination Modules	Mechanical Failure Condition Flag
555690		AC- 480V	Use with 216605A termination module in 'shunt' connected form. NOT to be used on mains input feed.			
Safety Isolation Protection						
216621	Safety Isolation Cassette	N/A	No internal connections. Used to identify that removed cassette should not be reinserted (circuit isolation/ no protection)	-	216600A or 216605A	Not Fitted
Disconnection Link						
216620	Dual Through Link cassette	30A	Breaks both legs of circuit.	-	216600A or 216605A	Not Fitted
Accessory Hardware						
216600A	Termination Module (CAGE CLAMP Technology)	AC- 750V, 30A DC- 500V, 20A	Grey - Earthed to DIN rail. Mount only on DIN rail NOT also supporting 216605A modules.	DIN 32mm (G) or 35mm (top hat) rail	-	N/A
216605A	Termination Module	Shunt connect format Max. current 200A	Black - No Earth connection. Mount only on DIN rail NOT also supporting 216600A modules.	DIN 32mm (G) or 35mm (top hat) rail	-	N/A