

Certificate No. NESA-S085

Version No. 1.0

Approval date 17 January 2022

Approved by A/GM Technical Standards

This certificate is issued to

Supplier Erico Products Australia
323 Parramatta Road
Auburn NSW 2144

In respect of

Manufacturer Critec

Product description Rail Transient Current Barrier Products

Application Surge Protection for Signalling

Relevant Standards SDS 25 Signalling Circuit Design Standards
ESC-09-02 Lightning and Surge Protection Requirements

Conditions of Approval

1. For use in accordance with ARTC standards SDS 25 and ESC-09-02
2. For use in accordance with ARTC standard typical circuits only
3. Only components from the Approved Item List may be utilised
4. RDP panel is intended for maintenance replacement of existing VAP panel. New works should general utilise the individual components within a bespoke, main switchboard
5. Maintenance replacement panels for VAP and IVAP may require minor relocation to existing wiring connections and mounting fastenings
6. This supersedes Type Approval 08-08-10-085 and S-08-1411-167.

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.

Issue date 17/01/2022

Expiry date N/A

Issued by

Manager Signalling Standards

Approved Item List

The following lists the individual items (by catalogue number) are approved for use on ARTC infrastructure under the above referenced New Equipment & System Approval Certificate number, subject to any conditions shown on that Certificate and the Conditions of Use shown against individual items.

Catalogue / Part No.	Revision / Aspect	Item Type / Description	Conditions of Use
Communication Circuit Protection			
UTB-9	TS35	Transient Barrier 9v Clamp	For non-vital circuits & SSI data links.
UTB-18	TS35	Transient Barrier 18v Clamp	For non-vital circuits & Dupline data links.
UTB-S	TS35	Transient Barrier for telephone circuits	For analogue communications circuits only.
SLP10-K3F	Krone 10pr.	Subscriber Line Protector.	May be used on digital circuits to 8Mbps.
Vital Circuit Protection			
UTB-36-R2	TS35	Transient Barrier 36-R2, 36v Clamp	For Microlok circuits.
RTB-12-S2	TS35	Transient Barrier 12v DC, 20kA	For SSI and Westlock circuits Maximum line current 3.0A.
RTB-30-S3	TS35	Transient Barrier 30v DC, 20kA	Maximum line current 1.5A..
RTB-50-S2	TS35	Transient Barrier 50v DC, 20kA	Maximum line current 3.05A.
RTB-30-S3M	N/A	Replaceable protection modules for RTB-30-S3	
RTB-50-S2M	N/A	Replaceable protection modules for RTB-50-S2	
T.C Rail connection protection			
TSG1130-2S-NE	TS35	Triggered Spark-gap, 130kA, N/E	Also used in Power Supply Mains input protection boards.
Power Supply Protection			
DSF-6A-150v	TS35	1ph, 150v AC, 6A, 16+16+16kA, 3 mode Surge Filter	

NEW EQUIPMENT AND SYSTEM APPROVAL CERTIFICATE

DSF-6A-30v	TS35	1ph, 30v AC/DC, 6A, 4+4+4kA, 3 mode, Surge Filter	
DSD1160-8S	TS35	240v Line-Neutral Surge Diverter	
TDS-MT-277	TS35	240v Line-Neutral Surge Diverter	
PRF-50A-120 V2	Panel	Primary Rail Filter, 50A, 120v	E to N terminals to be bridged and NOT connected to Earth.
PRF-100A-120	Panel	Primary Rail Filter, 50A, 120v	
TDS50-120	TS35	TDS 50v 40kA Surge Suppressor	Used in PRF panels.
TDS140-2S-120	TS35	TDS 120v 40kA Surge Suppressor	
RDP-120V	Panel	Rail Diverter Panel, 120v	*
TSG1130-2S-120	TS35	Triggered Spark Gap 130kA, 120v	Used in Rail Diverter Panel.
DSD140-1S-150	TS35	120v Line-Line Surge diverter	
DSD140-2B-R24/48	TS35	24VDC Surge Diverter	
Earth Bonding			
TEC-100C	N/A	Transient Earth Clamp	
Data Port Protection			
DEP RS232/25/9	N/A	RS232 DB25, 9 wire protector, 15v working	
DEP RS232/25/25	N/A	RS232 DB25, 25 wire protector, 15v working	
DEP RS232/9/9	N/A	RS232 DB9, 9 wire protector, 15v working	
DEP RS422/9/9	N/A	RS422/485 DB9, 9 wire protector, 9v working	

* Maintenance Replacement for VAP panel.