

## Product Type Approval Certificate

### Full

This certificate is issued to:

<b>Supplier name and address:</b>	PHOENIX CONTACT Pty Ltd Unit 7, 2-8 South Street Rydalmere NSW 2116
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In respect of:

<b>Manufacturer:</b>	PHOENIX CONTACT GmbH & Co. KG
<b>Place of manufacture:</b>	Germany
<b>Product description:</b>	PLUGTRAB series of surge protective device (SPD) assemblies (push-in terminal versions only) with components as listed in the Annexure 1 - <i>Schedule of Associated Items</i> . Product conforms to <i>IEC 61643-11 Low-voltage surge protective devices Part 11</i> .
<b>Use approved for:</b>	Installation as a surge protective device for tertiary applications. Usage must be in accordance with TfNSW standards, the RIM's operational standards and procedures, the manufacturer's documentation, and application constraints.  Conclusions about suitability for use under any other circumstances are not made. Reliance on this approval by any other organisation is entirely at that organisation's own risk.
<b>Conditions of approval:</b>	Refer to Annexure 2 – Conditions of Approval
<b>Limitations:</b>	N/A

## Evaluating rail transport operator

<b>Name:</b>	Andrew Gardner
<b>Position:</b>	Director Signals & Control Systems Engineering, Asset Management Branch, Safety Environment & Regulations, Transport for NSW, Transport for NSW
<b>Signature:</b>	
<b>Date:</b>	

**Product approval pack reference number:** fA14883472

## Annexure 1 -Schedule of associated items

Model Code	Description	Order #
PLT-SEC-T3-24-P-UT/PT	PLUGTRAB 24V MODULE ONLY	2907920
PLT-SEC-T3-60-P-UT/PT	PLUGTRAB 60V MODULE ONLY	2907921
PLT-SEC-T3-120-P-UT/PT	PLUGTRAB 120V MODULE ONLY	2907922
PLT-SEC-T3-230-P-UT/PT	PLUGTRAB 240V MODULE ONLY	2907923
PLT-SEC-T3-24-FM-PT	PLUGTRAB 24V TYPE 3 SPD ASSEMBLY	2907925
PLT-SEC-T3-60-FM-PT	PLUGTRAB 60V TYPE 3 SPD ASSEMBLY	2907926
PLT-SEC-T3-120-FM-PT	PLUGTRAB 120V TYPE 3 SPD ASSEMBLY	2907927
PLT-SEC-T3-230-FM-PT	PLUGTRAB 240V TYPE 3 SPD ASSEMBLY	2907928
PLT-SEC-T3-BE-FM-PT	PLUGTRAB PUSH TERMINAL BASE ONLY	2907929

Each assembly consists of a wiring base and module (aka plug), which allows the SPD to be replaced without any rewiring. The module has a red/green status indicator, and the wiring base has a voltage-free NC/NO monitoring contact.

Designers, installers and Maintainers are to be aware of the following:

- Mounting method is to TS35 DIN rail.
- This product does NOT earth via the mounting rail.
- This product does NOT place protective components in series with the protected circuit and may be installed in a series or shunt arrangement as is appropriate for the particular application.
- Module removal does NOT isolate the protected circuit, module failure is NOT designed to disconnect the protected circuit.

## Annexure 2 – Conditions of Approval

Product Type Approval is subject to the following conditions:

1. Approval is for the specific components as listed in Annexure 1 - *Schedule of Associated Items*.
2. Usage is permitted for tertiary applications only, as defined within *TS 05258 - Common Signalling and Control Systems Equipment Requirements*. System designers must assess the suitability of any given SPD according to the proposed application.
3. This product is not designed to provide a circuit isolation or fusing function and must always be used with an appropriate external current limiting and circuit isolation device as required by the application (e.g. fuse or MCB and disconnect terminal).
4. Monitoring contacts to be used in applications where SPD failure should be proactively detected and rectified (rather than via routine maintenance). This is to be determined by an appropriate risk assessment, according to the proposed application.
5. This is a generic product type approval. Each site specific application requires assurance based on the site specific requirements, hazards and conditions.
6. This Type approval is based on *RP S 44203 – Type approval Report, Phoenix Contact Surge protection – PLUGTRAB Series Ver. 1.0*.