

Data Link Isolating Transformer - DLIT Type: SPI0/II



Overview

Park Signalling's Data Link Isolating Transformer (DLIT) provides superior transmission characteristics over current units, offering potential performance benefits.

In a.c. electrified areas, data link cables running parallel to the track are subject to induced voltages. DLITs are used to electrically isolate baseband data link sections, thus keeping these induced voltages within safe limits. Additionally, the DLITs provide protection to data link modules (DLMs) by limiting this common-mode interference.

Park Signalling's DLIT is less lossy than current units, leading to improved data link signal strength.

Two versions of the DLIT are available; one occupies a single BR930-series relay space on a standard rack, while the other is contained in a weatherproof housing, suitable for wall or post mounting.

Electrical connections

The SPI0's electrical connections are via an 8-way terminal block which accepts wires with M4 fork crimps. The connections are:

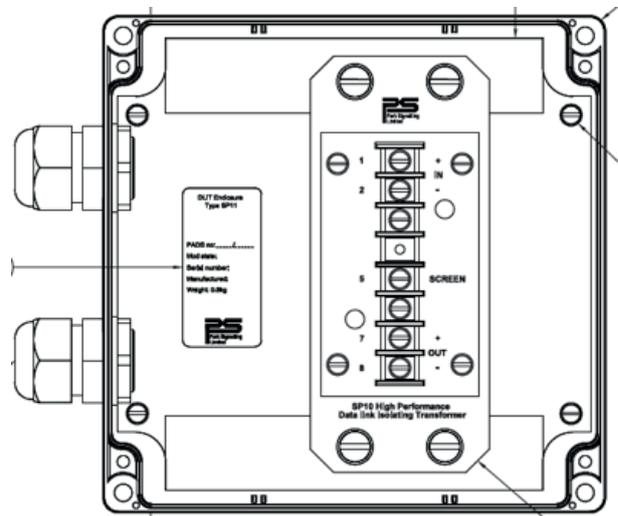
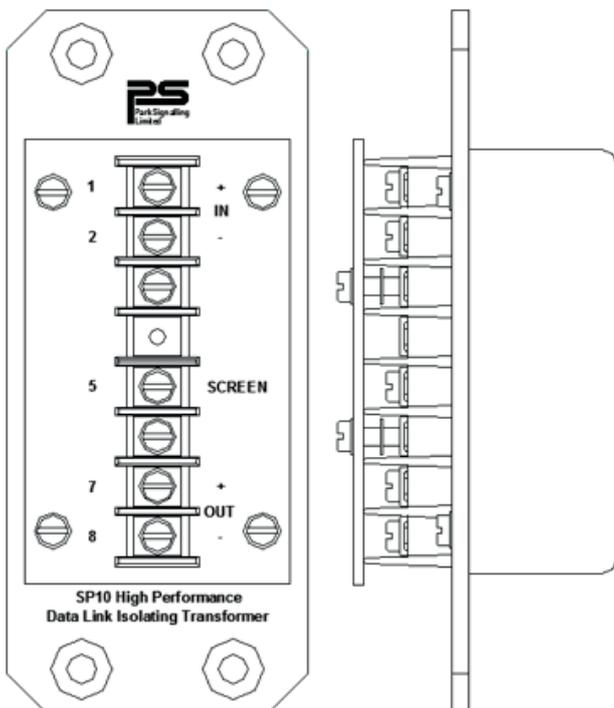
- Data link in +/-
- Data link out +/-
- Screen

Outline

The SPI0 is designed to occupy a single BR930-style relay space in a standard location case or REB.

- SPI0 overall dimensions: 134x57x53mm
- SPI0 weight: 0.4kg
- SPI1 overall dimensions: 188x160x90mm
- P11 weight (excl. SPI0): 0.9kg

The SPI1 has two cable glands for incoming data link cables.



SPI0 shown within the SPI1 enclosure

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