DIN RAIL ENCLOSURE SMALL

* 1. SYSTEM OVERVIEW

1. General Description
2. The DIN rail enclosure shall be the Vision.Net DIN Rail Enclosure - Small by Strand.
3. The enclosure shall be compatible with Strand Vision.Net lighting control products and third-party products.
   1. PHYSICAL & MECHANICAL
4. The enclosure backbox and cover shall be constructed using 18-gauge cold rolled steel finished in a fine-textured black powder coating.
5. The enclosure shall fully enclose all the components installed in its backbox by means of a close-out cover.

The cover shall be oversized to the backbox providing a 0.31” (7.9 mm) reveal (‘mud-ring’) on all sides for flush-mount applications.

The cover shall be vented to allow heat dissipation of the installed components.

The cover shall be secured to the backbox with four rounded head #2 Phillips fasteners. The two top thru holes for the cover shall have slotted screw holes for easy alignment and installation of the cover to the backbox.

1. The enclosure backbox shall be mountable either flush or surface mount in any orientation.
2. The enclosure backbox shall provide four recessed, thru-holes for surface mounting on the rear inside panel sized for ¼” rounded head fasteners.

The enclosure backbox shall provide four thru-holes for flush mount applications on the left and right inside edges sized for 5/16” rounded head fasteners.

1. Physical measurements for the enclosure including cover shall not exceed 4.88 x 14.88 x 4.06in. (378 x 378 x 103.2 mm). The enclosure weight, including cover shall not exceed 1.05 lb. (0.68 kg).
   1. ELECTRICAL
2. The enclosure backbox shall provide three ½” and two ¾” trade-size knockouts on both top and bottom of the enclosure for installation to metal conduits or non-metallic wiring devices.
3. The enclosure backbox shall provide a self-clinching #10 stud and 10-32 green bonding nut for ground/earth connection.
4. The enclosure backbox shall provide physical Class 1 and Class 2 wiring separation.
5. The enclosure backbox shall include aluminum, field installable, voltage barriers compromised of horizontal and vertical elements that allow separation as required.

The barriers shall permit installation and adjustment from the front of the enclosure whilst installed.

The two horizontal barriers shall be statically mounted with mechanical fasteners.

The vertical barrier shall mount to the upper or lower DIN rails allowing for adjustments in the horizontal width of the enclosed space. A set screw for locking the vertical barrier in place once configured shall be provided.

Each barrier element shall provide a cut away for wire or cable to pass thru with field installed edge protection to mitigate abrasion.

* 1. FUNCTIONALITY

1. The enclosure backbox shall provide pre-installed DIN Rails.
2. There shall be two TS35/7.5 mm DIN Rails measuring 13.78 in. (350 mm) evenly dividing the inside space of the enclosure backbox.

The DIN rails shall provide 40SU of total installation width for components.

1. The maximum installed device height shall be 3.39 in. (86 mm).
   1. DOCUMENTATION
2. A Quick Start Guide shall be included with the enclosure at purchase and be available from the manufacturer’s website.
3. A 2D Dimensional Drawing of the enclosure shall be available from the manufacturer’s website in .dxf and .pdf format.
4. A Building Information Modeling (BIM) file of the enclosure shall be available from the manufacturer’s website in .rfa format.
   1. STANDARDS COMPLIANCE
5. The enclosure shall be manufactured in conformity with DIN43880, and IEC 60715.
6. The enclosure shall be manufactured in conformity with and the manufacture shall self-certify against the following standards:
7. ANSI/UL 50/50E

CSA C22.2 No. 94.1/94.2

NEMA Type 1

* 1. INCLUDED ITEMS

1. The enclosure shall include as aforementioned:
2. Quick Start Guide

Voltage Barriers and Edge Grommets

## END OF SPECIFICATION.