

Level 1 Distribution Box Protection Standards



Overview

Level 1 SPD box surge discharge current ≥ 12 . Voltage protection level: $\leq 2500V$. The Level 1 surge protection device is designed to withstand high-current surges from direct lightning strikes or induced lightning. Distribution boxes protect our electrical systems like bodyguards shield VIPs. When they fail, everything goes dark. Today, we'll explore how international standards translate into practical protection through rigorous testing methodologies that simulate the harshest conditions on earth. The IP Code reflects the degree of protection as "IP" followed by two numbers; the first digit shows the extent to which enclosures are protected against. The Committee on National Security Systems (CNSS) issues this Instruction pursuant to its authority under National Security Directive 42, National Policy for the Security of National Security Telecommunications and Information Systems. You must make safety your top priority when working with low voltage distribution boxes.



Article Content

PROTECTED DISTRIBUTION SYSTEMS (PDS)

This Instruction provides guidance and requirements for the approval and installation of wire line and optical fiber distribution systems used to protect unencrypted, National security information (NSI)

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

