

AC MITIGATION

PROTECTING YOUR CATHODIC PROTECTION, WHILST GETTING RID OF STRAY CURRENTS

Solid State Decoupler (SSD) - DCD

SSD-DCD is used for DC isolation between a pipe and a grounding system.

The SSD-DCD clamps the potential to a certain threshold voltage by passing current through to the lower potential between the pipe and the grounding systems. The device then switches itself off if the voltage present reduces back to its desired range.

Some Features of Cathtect's SSD-DCD

- *Wide DC clamping voltage range
- *High steady state DC current drain of 800A or up to 60A for 15 mins
- *60Hz AC impedance of 0.04Ω (Extra)
- *AC steady state current 45A @ 50/60Hz (Extra)
- *Lightning impulse current rating Class 1: 100 kA for 10/350 s
- *AC fault current rating 1.2kA, 3.7kA, 5kA, 9kA and 14kA for 30 cycles
- *Lightning DC spark over voltage -600V
- *IP68 Submersible design up to two meters in depth
- *Exe (Hazardous Areas 1 and 2)

Ratings of Cathtect's SSD-DCD

Cathtect's SSD-DCD product line consists of 5 sizes namely 1.2kA, 3.7kA, 5kA, 9kA and 14kA -For each type there are different options of DC Thresholds to choose from but they are all @60Hz.

Different DC Thresholds to choose from:

- 1.-11V to +1V
- 2.-3V to +1V
- 3.-2V to +2V



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