



### Surge Cathodic Decoupler

The Novaris SCD Series has been specifically designed to provide pipelines with surge, AC and DC voltage protection whilst providing low voltage DC isolation for cathodic protection. This combination provides the best electrical protection for ICCP systems, pipelines and adjacent workers.



Electrical Specifications	
Lightning I <sub>max</sub>	100kA (8/20) (Max terminal voltage rise 230V)
AC Fault	Conduct 3.5kA RMS at 50Hz for 500mS (Max terminal voltage rise 15V RMS)
AC Steady State	Conduct up to 20A RMS above 10Hz Symmetrical configuration of solid state and low impedance circuit 0.06 ohm AC impedance @ 50Hz (Max terminal voltage rise 0.6V RMS @ 10A)
DC Conductance	Refer to V/I graph 1.5V 0.02mA Maximum 2.0V 0.2mA Maximum 5.0V 1000mA Minimum

Mechanical Specifications	
Construction	Combination of solid state and low impedance components designed to be maintenance free whilst providing optimum protection IP66 rated stainless steel enclosure for to prevent corrosion
Operating Temperature / humidity	-40 to + 70°C / 5 to 95%
Dimensions	Width: 150mm Height: 150mm Depth: 90mm Weight 3.5kg
Mounting	2 x 8mm mounting tabs
Terminals	Conducting: 2 x M10 Earth: 1 x M6

