



CATHODIC PROTECTION



SSMC 0.65kA – 1.3/0.4 Solid State Mitigation Cell



Robust, maintenance free Ex Proof DC
and AC Mitigation Solution for CP Systems



SSMC 0.65kA – 1.3/0.4 is a robust discharging cell designed to divert induced AC current to the ground. The internal impedance of the Cell is so large for DC current up to a preset DC voltage and almost short circuit for AC current which makes it possible to bypass the AC current to ground while not affecting the cathodic protection current of the structure.

The cell switches on for any voltage present on the protected Structure which is 1.3 V negative or 0.4V positive with respect to ground and switches off if the voltage of the pipeline is between these limits, providing overvoltage protection for the pipeline up to the fault current ratings.

The cell does not require any maintenance, can be used in any mounting position and under any whether conditions because of its sealed structure.



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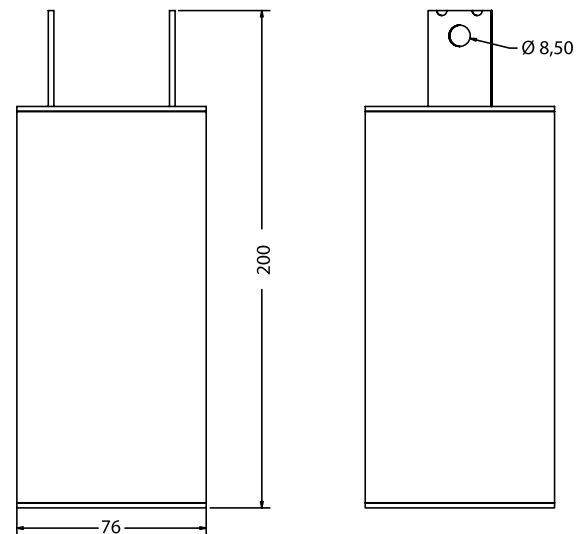


Technical Specifications

	SSMC0.65kA-1.3/04	SSMC0.65kA-1.3/04-Ex
Atex Data	-	Zone 2, Zone 22, T5 (IEP 20 ATEX 0829x)
Continuous AC Current		20A
Forward Pol. Continuous DC Current ¹		15A
Reverse Pol. Continuous DC Current ²		25A
AC Fault Current (0.1sec)		650A
AC Fault Current (0.5sec)		400A
Operating Temperature		-40/+70°C
Ingress Protection		IP67
Forward Pol. Threshold Voltage		1.3VDC (@1mA)
Reverse Pol. Threshold Voltage		0.4VDC (@1mA)
Lifetime (40°C)		> 15 Years
Warranty		2 Years
Dimensions (Dia.xHeight)		76x200mm (Including Terminals))
Internal Impedance (50Hz)		0.035 ohm

Not recommended for safety grounding.

* Please note that all products, product specifications and data presented in this datasheet or web site are believed to be free of errors and subject to change without prior notification for continued improvement. It is the users responsibility to ensure the suitability of the product for a specific application.



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