

## CRITEC® Potential Equalization Clamp

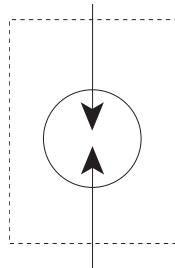
### Features

- High peak current capability – long service life
- Weatherproof enclosure – suitable for direct burial
- The PEC100 is ATEX approved – suitable for use in potentially explosive atmospheres
- The PEC150 offers a higher surge rating of 50kA 10/350µs specially designed for Class N (Normal Duty) to EN50164-3.



The PEC is an equipotential bonding device that can be used to minimise damage in applications where separated ground systems are required. The PEC100 model is ATEX approved making the device suitable for use in explosion hazard areas such as the protection of pipeline insulated joints. The PEC150 model is a higher surge rated product for more exposed locations subject to partial direct lightning strike.

Model	PEC100	PEC150
Item Number for Europe	702900	702901
Spark-Over Voltage @100V/s	350 V	800 V
Max Discharge Current, $I_{max}$	100kA 8/20µs	150kA 8/20µs
Technology	Gas Discharge Tube (Auto reset)	
Insulation Resistance	>1 GΩ	
Capacitance	<15.0 pF	
Voltage Protection Level, $U_p$	800V @ 1kV/µs	1.5kV @ 1kV/µs
Impulse Current, $I_{imp}$	25kA 10/350µs	50kA 10/350µs
Dimensions L x Ø: mm (in)	138 x 25 (5.43 x 0.98)	105 x 42 (4.13 x 1.65)
Weight: kg (lbs)	0.5 (1.10)	0.7 (1.54)
Enclosure	Suitable for outdoor or direct burial	
Connection	450 mm of 16 mm <sup>2</sup> (17" of #5AWG) conductor	
Temperature	-30°C to 70°C (-22°F to 158°F)	
Approvals	CE, ATEX, BASEEFA Approved, IEC60079-0-15	CE, EN50164-3:2004 N (normal duty)



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