

TECHNICAL DATA SHEET

LPI® Transient Earth Clamp

Features



- 100 kA 10/350 μ s or 200 kA 8/20 μ s
- IP66
- Can be direct buried
- Equipotential bonding
- Easy installation

Product Description

LPI's new and improved transient earth clamp (TEC100-2L) prevents earth potential differences by operating only under transient conditions to effectively clamp all connected earths together. Under normal conditions, the TEC100-2L presents an effective open circuit. Once the earth potential difference exceeds the breakdown voltage of the TEC100-2L, conduction immediately occurs and the earth potentials are equalised. The TEC100-2L is a self-restoring device and has a life of over ten thousand operations.

Ordering code:	TEC100-2L
Application:	Prevents earth potential differences
Rated DC sparkover voltage (1 kV/ μ s):	600 V
Impulse sparkover voltage (1 kV/ μ s):	<1.5 kV
Max. Discharge current (I_{max}): *	200 kA 8/20 μ s
Max. Discharge current (I_{imp}): *	100 kA 10/350 μ s
Insulation resistance (at 100 Vdc):	> 1 G Ohms
Max Continuous operating voltage (Vc): *	255 V rms
Volt current capability (If): *	100 A rms
Operating temperature:	-40 °C to +90 °C
Environment rating:	IP 66
Dimensions:	600 mm (L) x 40.0 mm \varnothing
Mounting:	2 x 300 mm flying lead (centre to centre) M10 crimp lug
Weight:	220 g
Warranty:	5 Years

* As defined in IEC61643-11.