



# EQUIPOTENTIAL PROTECTOR

Provides an equipotential bond under transient overvoltage conditions between different earthing systems which normally need to be isolated for noise reductions or security requirements

- ◆ **Exceptional high surge rating**
- ◆ **Different clamping voltage to choose**
- ◆ **High insulation resistance under normal condition**
- ◆ **Long life and maintenance free**
- ◆ **Robust and waterproof enclosure**
- ◆ **Simple installation**



**Exceptional high surge rating -** EPP series of equipotential protector has different surge rating for different requirements. It has the 150KA model to meet exceptional high surge rating demand in any severe lightning environment.

**Different clamping voltage to choose -** A variety of clamping voltage from 90V to 1000V are available for different requirements.

**High insulation resistance under normal condition -** In some circumstances, separate earthing systems are founded due to regulatory or special requirements. In such cases, the signal, power and protective earth are separated thus become a potential cause of equipment malfunction and damage due to great earth potential difference during lightning strike. EPP protector is the solution which consists of a high capacity gas arrester which has a 1G ohm resistance under normal condition and thus exhibits an open circuit with low capacitance.

**Long life and maintenance free -** The EPP protector uses very high performance gas filled arrester which will momentarily conduct and connecting the separate earths together should there be a difference in earth potential. After the impulses, it will reset automatically and return to its open circuit state. It is totally maintenance free and can withstand more than 10000 operations thus guarantee a long working life.

**Robust and waterproof enclosure -** EPP protector is housed in a robust and waterproof POM enclosure and can be used in any harsh environment.

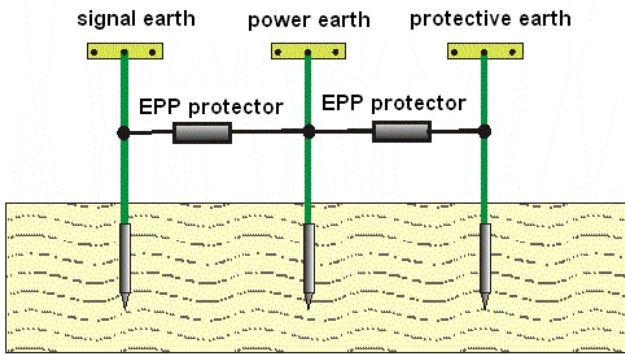
**Simple installation -** The compact, in-line and simple installation enables it to be easily bonded to the existing earthing systems.





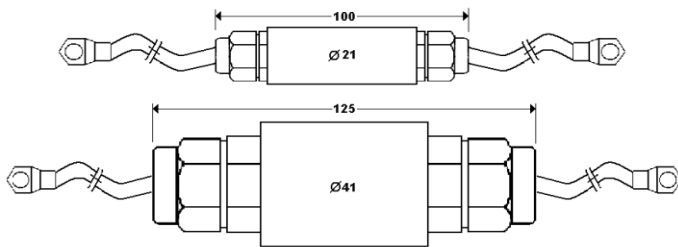
# SPECIFICATIONS AND DRAWINGS

## Installation



For detail installation requirements, pls refer to relevant user manual.

## Dimensions



## General Specifications

<b>Clamping voltage:</b>	90-350V(see ordering information)
<b>Voltage tolerance :</b>	±20%
<b>Max. surge rating(8/20µs):</b>	20-150KA(see ordering information)
<b>Impulse sparkover voltage:</b>	<600V (1KV/µs)
<b>Capacitance:</b>	<10pF
<b>Insulation resistance:</b>	>1G Ω
<b>Termination:</b>	Flying leads
<b>Enclosure material:</b>	POM
<b>Enclosure IP rating:</b>	IP65
<b>Operating temperature:</b>	- 40 - 85°C
<b>Humidity:</b>	0 - 95%(R. H. )
<b>Altitude:</b>	0 - 3650m
<b>Weight:</b>	
EPP20-All models	68g
EPP40-All models	240g
EPP65-All models	240g
EPP100-All models	240g

## Ordering Information

MODEL	DESCRIPTION
EPP20-90	20KA, 90V Voltage Clamp
EPP20-230	20KA, 230V Voltage Clamp
EPP20-350	20KA, 350V Voltage Clamp
EPP40-90	40KA, 90V Voltage Clamp
EPP40-230	40KA, 230V Voltage Clamp
EPP40-350	40KA, 350V Voltage Clamp
EPP65-90	65KA, 90V Voltage Clamp
EPP65-230	65KA, 230V Voltage Clamp
EPP65-350	65KA, 350V Voltage Clamp
EPP100-350	150KA, 350V Voltage Clamp

### Notes:

(1) Other clamping voltage like 600V, 1000V etc. are available on requested.

Local Distributor:

