

**Isolating Spark Gaps (ISG) SPD
EPZ 100**



Location of Use: Exposed Environments and Direct Burial
 Surge Ratings: $I_{imp} = 25 \text{ kA}$
 $I_{max} = 100 \text{ kA (8/20}\mu\text{s)}$
 Protective Elements: High Energy GDT
 Safety: TOV Withstand
 Housing: Equipotential Bonding
 Compliance: IEC 62561-3:2012

Corrosion resistant enclosure with hermetic environmental seal and flying leads for ease of connection.

Technical Data

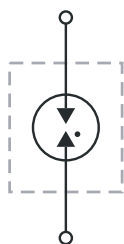
| EPZ 100/xxx | | 350 |
|---|---------------------|---------------------------------------|
| Electrical | | |
| Rated DC Withstand Voltage | U_{WDC} | 350V |
| Rated Impulse Sparkover Voltage | $U_{r \text{ imp}}$ | 1000V |
| Maximum Discharge Current (8/20 μs) | I_{max} | 100kA |
| Impulse Discharge Current | I_{imp} | 25kA |
| Residual Voltage at 5kA (8/20 μs) | U_{res} | 1.6kV |
| Class Lightning Current Carrying Capability | | 1 L |
| Capacitance at 1 MHz | C | < 10pf |
| Mechanical & Environmental | | |
| Temperature Range | T_a | -40 °F to +158 °F [-40 °C to +70 °C] |
| Nominal Outer Diameter | | 1.102" / 28mm |
| Nominal Length | | 5.511" / 140mm |
| Length With Cables (approx) | | 39.370" / 1 m |
| Length (approx) | | 17.716" / 450mm |
| Cross Sectional Area | | 16mm ² |
| Number of Conductors | | ≥ 465/0.21 |
| Insulation | | Double Insulated |
| Environmental Protection | | UV Stabilized, Flame Retardant |
| Resistant | | Acids, Solvents and Oils |
| Connection | | Suitable for Screw or Lug Termination |
| Degree of Protection | | IP 67 |
| Housing Material | | Plastic Sheath |
| Location | | Indoor/Outdoor |

| Specifications for Use | | |
|-------------------------------|--|--|
| Environmental | | Local heating by pipelines and other hot surfaces in vicinity of the installation of the product must be considered by the installer to ensure that specified maximum ambient temperature is not exceeded. |
| Wiring | | Connection of the internal cables must be in accordance with the applicable requirement of IEC 60079-0 and IEC 60079-15 for field wiring connections. |
| Safety | | EPZ has an external non-metallic heat shrink sleeve which may provide a potential electrostatic charging hazard. See installation instructions for further information. |

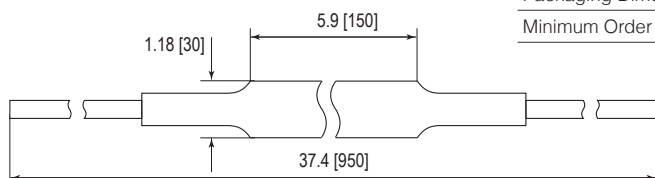
| Order Information | |
|--------------------------|------------|
| Order Code | 350 |
| EPZ 100/xxx | 509 520 |

EPZ 100

Internal Configuration



Dimensions & Packaging [mm]



Dimensions & Packaging

| EPZ 100/xxx | | 350 |
|------------------------------|----------------|--------------------------------------|
| Single Unit Weight | pounds [grams] | 1.103 [500] |
| Packaging Dimensions (H×W×L) | | 13.7 × 4.9 × 2.1" [350 × 125 × 55mm] |
| Minimum Order Quantity | | 27 Units |

inches
[mm]

Information contained in this document is subject to change at any time without notice.

RoHS
COMPLIANT 