The ComNet™ CopperLine® CLESP provides highly effective voltage surge and transient protection for Ethernet-compatible equipment, including Ethernet switches, media converters, EoVDSL modems, ComNet CopperLine Ethernet over UTP transmission extenders, etc. The mating RJ-45 connector on the CLESP plugs directly into any 10/100/1000 BaseT Ethernet port, making the installation simple and quick. Protection is provided to IEC specification EN55024; Immunity Characteristics for Continuous and Transient, Conducted and Radiated Disturbances. Electrostatic discharge (ESD) protection is also provided. For maximum effectiveness, the grounding tab of the CLESP must be securely connected to the frame ground of the installation.
**SPECIFICATIONS**

**Electrical**
- **Ethernet Interface**: Standard 10/100/1000BaseT
- **UTP**: CopperLine Extended 10/100 Ethernet Cat 5 or higher
- **Operating Power**: No Power Required
- **Status Indicating LEDs**: Ethernet: Traffic, Link Extended Ethernet Traffic
- **Connectors**: Male RJ-45, Female RJ-45
- **GND Connection**: Via Metal Tab
- **Standards Compatibility**: IEEE 802.3af PoE, IEEE 802.3at PoE

**Mechanical**
- **Size (H x W x L)**: 0.55 × 0.63 × 1.1 in, (14 × 16 × 28 mm)
- **Weight**: 0.009 lbs (4 g)

**Environmental**
- **Operating Temp**: -40°C to +75°C
- **Storage Temp**: -40°C to +85°C
- **Relative Humidity**: 0 to 95%, non-condensing

**Compliance**
- **Tested and Certified for**: IEC 61000-4-2: ESD @ 15Kv (air), 8Kv (contact)
- **EC 61000-4-5: Lighting @ 8/20us
- IEC 6100-4-2: 2006
- EN55024

**Compliance Category**: B

**Let through voltage1**: 5Kv (air), 8Kv (contact)

**Part Number**
- **CLESP**: Single Port Ethernet Surge Protector

**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLESP</td>
<td>Single Port Ethernet Surge Protector</td>
</tr>
</tbody>
</table>

**DIMENSIONAL DRAWING**

![Dimensional Drawing](image)

**TYPICAL APPLICATION**

![Typical Application Diagram](image)