Guide to Equipment Certification Requirements for Hazardous Locations

NORTH AMERICA

Typical North American Marking

<table>
<thead>
<tr>
<th>NEC® 500</th>
<th>NEC® 70S</th>
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<tbody>
<tr>
<td>Class I, Division 1, Groups A&amp;B T4 Class I, Zone 0, AEx in IIC T4</td>
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**Protection Concepts**

**Type of Protection**

- **Increased Safety** (Class I, Division 1, Groups A&B T4)
- **Class II, Zone 20,21,22 EN 13463-5**
- **Enclosure (NI) US**
- **Dust Protected (NI) US**
- **Group E, Class (T1-T6)**
- **Zone (mining)**

**Temperature Classification**

- **Class II, Zone 20,21,22 EN 13463-5**
- **Zone (mining)**

**ATEx & IECEx**

**Typical ATEX and IECEx Marking**

- **ATEX and IECEx**

**Protection Concepts**

- **Equipment**
- **Class I, Division 1, Groups A&B T4**
- **Class I, Zone 0, AEx in IIC T4**

**Atmosphere Groups**

- **A**
- **B**

**Protection Concepts**

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**Additional Market Access: IECEx Scheme**

Manufacturers of the equipment can obtain certificates of conformity that will be accepted in a number of countries throughout the world in the IECEx Scheme. A certificate of conformity may be obtained from any certification body accepted into the scheme. The certificate indicates that the equipment conforms to the requirements of the relevant IEC standards.

**Temperature Classification**

- **Class II, Zone 20,21,22 EN 13463-5**
- **Zone (mining)**

**Ingress Protection Codes**

- **Weather Tight (IP 67)**
- **Dust Tight (IP 68)**

**Equipment Categories**

- **ATEX Categories**
- **ATEX Groups**

**Other Applicable CE Directives**

- **Electromagnetic Compatibility (EMC)**
- **Machinery**

**Equipment Groups**

- **ATEX Group**
- **ATEX Groups**

**Equipment Categories**

- **ATEX Categories**
- **ATEX Groups**

**Equipment Categories v Zones**

- **ATEX Zones**

**Group**

- **ATEX and IECEx**

**Typical North American Marking**

- **Class I, Division 1, Groups A&B T4 Class I, Zone 0, AEx in IIC T4**

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**Equipment Categories v Zones**

- **ATEX Zones**

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