

## ★ Read Designation



Use in gaseous atmospheres: II 1 G EEX ia  
IIC T4

Use in dust atmosphere: II 2 D T90°C IP64

Use in mining application: I M2 EEX ia I



### 1. Device Group

I = Mining II = all other explosive areas

### 2. Category

1 = can be used in zone 0 or 20

2 = can be used in zone 1 or 21

3 = can be used in zone 2 or 22

M1 = Mining (in case of firedamp, continuation of operation is possible)

M2 = Mining (must be switched off in case of firedamp)

### 3. Atmosphere

G = GAS

D = DUST

Mining - no details

What are the difference between the AEX marking for North America and the EEX requirements for Europe?

With the introduction of article 505 in the NEC a new years back, many of the protection techniques used in international community can be safely used in facilities in the United States. However, some test standards that are based on the IEC standards have been modified in some respects that will be showing up on many products in the U.S to comply with NEC 505 are very similar to the celenec marking requirements. An example of a typical product meeting U.S specifications might have a marking as followed : Class 1, Zone 1, AEX e IIC T5.

Notice that the big difference is the statement tells the user which zone the product is suitable for which has been from the traditional cenelec marking requirements. With the advent of the ATEX directive, marking requirements in Europe will also reflect Zone and Category suitability.

The two systems are close, But not identical.