



GREEN LIGHTING ELECTRONICS COMPANY LTD

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★ Temperature Classification

To ensure that there is no risk of ignition due to hot surfaces, the equipment is classified with regard to the maximum temperature surface of any part of the equipment while in operation based on the ambient of 40°C, this is also known as the "T" rating. Equipment must be selected a suitable temperature classification for the gases and vapors present where the equipment is installed.

Temperature Classification	T1	T2	T3	T4	T5	T6
Maximum Temperature Surfaces	450°C	300°C	200°C	135°C	100°C	85°C



★ Explosion Grouping

Gases are grouped together based on the amount of energy required to ignite the most explosive mixture of gases with air. Equipment is classified into groups according to the gases and vapors for it is suitable and must be selected with a grouping which covers the gases and vapors which will be present where it is to be installed.

Group I - Methane - Ignition energy of 320 micro joules

Group IIA - Propane - Ignition energy of 300 micro joules
(Similar to NEC group D)

Group IIB - Ethylene - Ignition energy of 160 micro joules

Group IIC - Hydrogen - Ignition energy of 40 micro joules
(Similar to NEC group A&B)

