

Tesi ignition modules are primarily intended for installation in electrical panels to ignite **ground and tall flares**. They are specifically designed to provide a good spark at **very long distances**, with a **power cable up to 500 m long**. The new housing is filled with resin, in order to ensure **waterproof** performance under all conditions, which is particularly important in outdoor applications.

The positioning of the flares typically requires the ignition units power supply to be installed far from the ignition rod. This often makes it difficult to generate a powerful spark, because of the length of the power supply cable. As is known, since flares systems are responsible for the disposal of process gas in refineries and petrochemical plants, they need to be fitted with an **extremely reliable ignition system** that ensures instant flare ignition on demand.

According to the areas where ignition systems shall be installed, Tesi can provide Ignition Modules installed in different types of enclosures, fit to **potentially explosive atmospheres (ATEX classified)**.



TECHNICAL DATA

POWER SUPPLY UNIT	
INPUT VOLTAGE	115 - 230 Vac 50/60 Hz
OUTPUT VOLTAGE	1000 Vdc
OUTPUT ENERGY (PER SPARK)	18 J +/- 10%
MEAN SPARK FREQUENCY	2 sparks / second
INPUT POWER	110 W
DUTY CYCLE	33% - max spark ON 1'

ENCLOSURE	
PROTECTION CLASS	IP65
MATERIAL	Powder Coated Steel
DIMENSIONS	170 x 140 x 85 mm
WEIGHT	5 kg

ADDITIONAL SPECIFICATIONS	
IN-OUT CONNECTIONS	2 cables 1 m long
OPTIONAL INPUT VOLTAGE	12/24 Vdc on request



data subject to change without notice

