High Energy Ignition Modules XEC03H - 18J

TESI ignition modules are primarily intended for installation in electrical panels to ignite **ground and elevated flares.**
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 lenght of the power supply cable. Also, 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.**

Ignition Module XEC03H is 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.

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**).

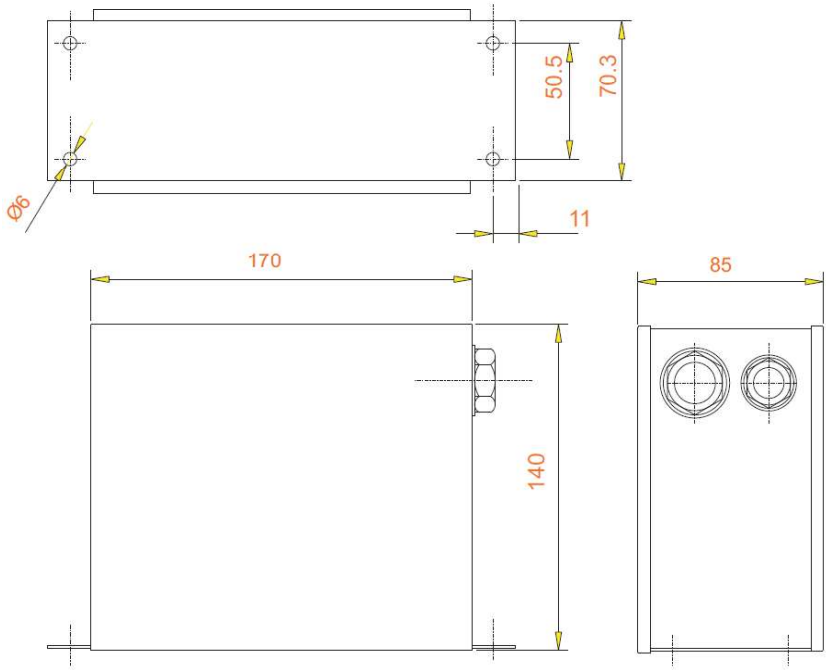
Technical Data

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



Headquarters - Via Piave 20/11 20071 Vermezzo con Zelo (MI) Italy Registered Office - Via Meravigli 16 20123 Milano, (MI) Italy
VAT n. 04745310153 Milan Company Register 04745310153 MI Share Capital: 200.000,00€
Phone: +39.02.9440501 info@tesigroup.com www.tesigroup.com