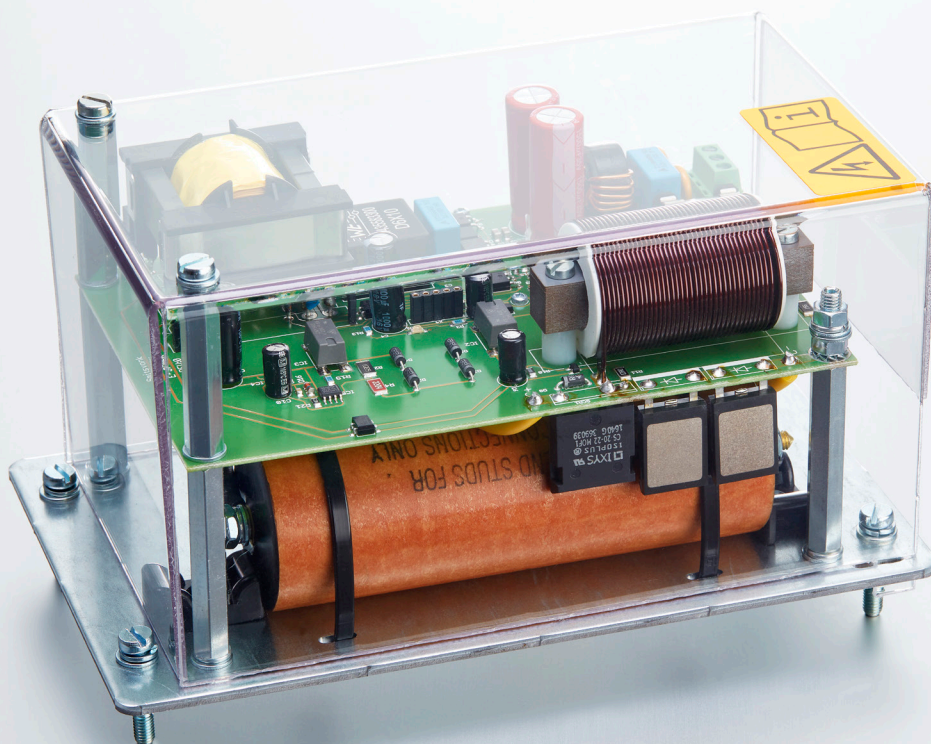


## E-SPARK

# High energy ignition module

Solid and powerful – for individual integration

- ▶ Reliable spark ignition for gaseous fuels
- ▶ Qualified for a wide temperature range
- ▶ Compact size for space saving installations



## Features

- ▶ **High energy ignition**  
For the operation of pilot burners used at flares and for customized igniters at industrial furnaces, boilers or incinerators
- ▶ **Microprocessor based**  
And therefore flexible programming for a wide range of ignition frequencies
- ▶ **Non-wearing electronic design**  
Thyristor controlled capacitor discharge
- ▶ **Compact design**  
Space saving dimensions of the module, placed on an easy-to-mount base plate
- ▶ **Applicable in a wide temperature range**  
Without added cooling or heating under conditions from  $-40\text{ }^{\circ}\text{C}$  up to  $70\text{ }^{\circ}\text{C}$

## Example of configuration



## Benefits

- ▶ **Safe operation and reliable ignition**  
At long distances due to a powerful ignition voltage of 2000 V – the solution for flare ignition systems
- ▶ **Maintenance free operation**  
In harsh environmental conditions of any industry
- ▶ **Simple integration at site**  
Due to a 24 VDC-design and pre-selected power supply modules
- ▶ **High grade of customizing**  
By supplying modules „made-to-order“ and project-based integration
- ▶ **Cost saving overhauls**  
Convenient and flexible option as replacement in existing ignition units

## Technical data

<b>Ignition module</b>			
<b>Power supply</b>	20–30 VDC/85–264 VAC		
<b>Power consumption</b>	30–240 VA		
<b>Ignition voltage</b>	2000 V		
<b>Ignition energy/ Ignition frequency (max.)</b>	4 J/spark	8 J/spark	12 J/spark
	20 Hz	3 Hz	6 Hz
<b>Perm. ambient temperature</b>	$-40 \dots +70\text{ }^{\circ}\text{C}$ (158 $^{\circ}\text{F}$ )		
<b>Distance to point of ignition</b>	max. 300 m		
<b>Dimensions</b>	200 x 120 x 150 mm		

<b>Ignition unit for one pilot burner (example)</b>			
<b>Product code</b>	E-SPARK-2/2-AE1003-AC-195		
<b>Ignition energy/ frequency</b>	4 J/spark at 2 Hz		
<b>Protection</b>	IP 66		
<b>Dimensions</b>	300 x 300 x 210 mm		