

## Technical Data High Energy Igniter HEI600



Fig. 1 External steel housing for wall mounting High energy igniter HEI600

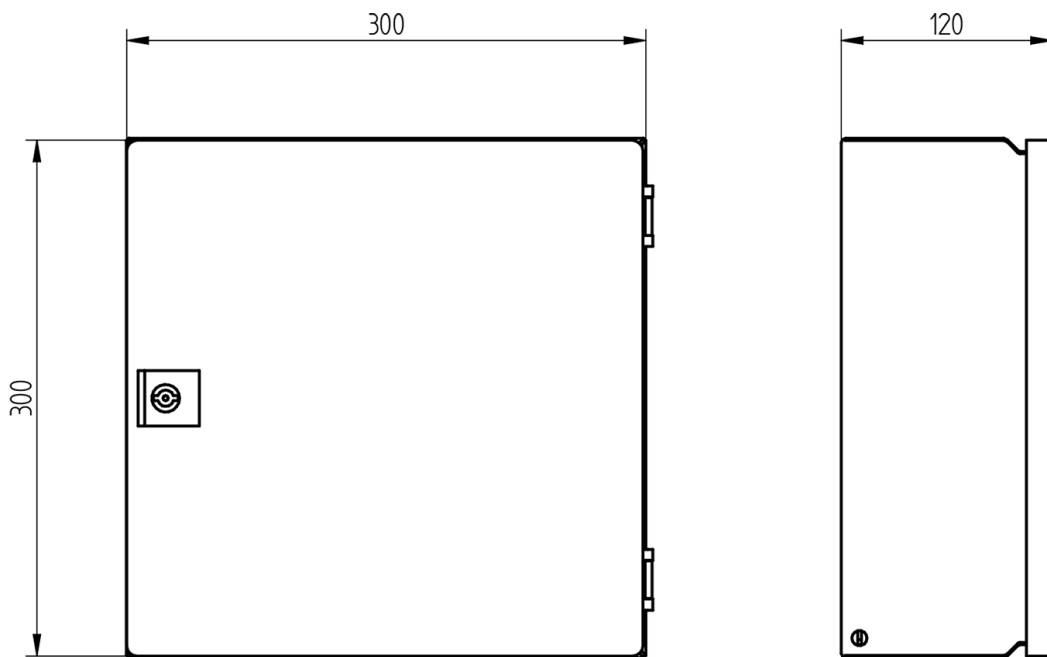


Fig. 2 Dimensions of the external steel housing for wall mounting High energy igniter HEI600

# Technical Data High Energy Igniter HEI600



Fig. 3 Technical data high energy igniter HEI600 Ex-Zone 2

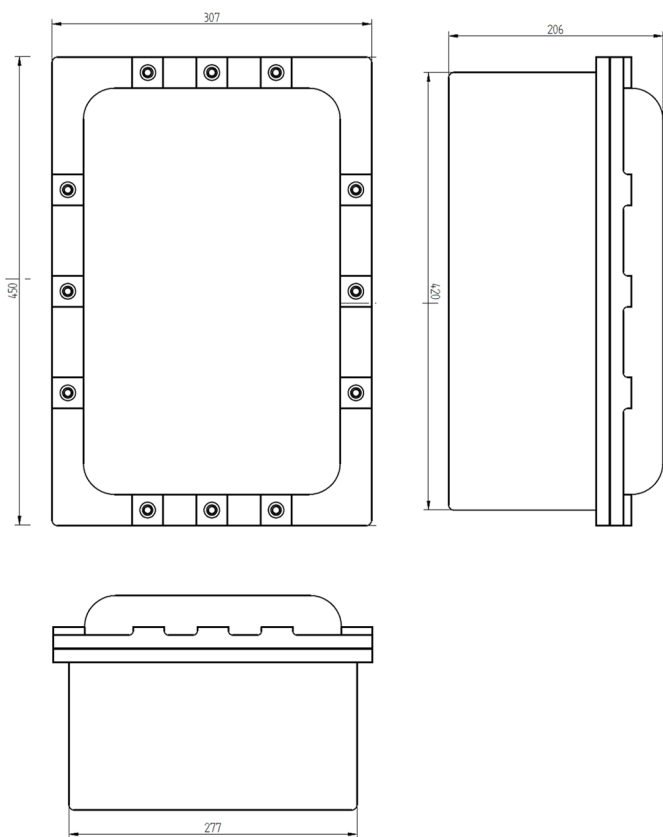


Fig. 4 Dimensions Ex-housing Zone 2

## Technical Data High Energy Igniter HEI600

Technical data high energy igniter HEI600	
Housing	steel housing for wall mounting
Colour	Light grey
Ignition frequency	26 Hz
Input current	RMS-current ~ 4 A (at 26 sparks/s)
Input power	724 W (at 26 sparks/s)
Energy	10 Joule (each spark +/- 10 %)
Power supply	115/230 VAC ±10 %, 50 Hz (60 Hz on request)
Output voltage	2,1 kV
Length of the connecting cable of the lance	According to customer requirements up to 50 m   164.04 ft possible.
Power Cable lengths	max. 100 m   328.08 ft Cable cross-section: at least 3 x 1.0 mm <sup>2</sup>   AWG17, max is 3 x 2.5 mm <sup>2</sup>   AWG13

Technical data high energy igniter HEI600 Ex-Zone 2	
ATEX marking	II3G Ex db IIB+H2 T4 Gc
Protection class	IP65
Ambient temperature	-20 °C/-4 °F ≤ Ta ≤ +60 °C/140 °F
Cross-section of the floating conductor on both housings	4 mm <sup>2</sup>

Operating Condition HEI500	
Switch-on time	20 s ON/40 s OFF (max 3 times in succession)
Minimum cooling time at 20 °C   68 °F ambient temperature	before restart: 8 min
Minimum cooling time at 60 °C   140 °F ambient temperature	before restart: 25 min

Environmental conditions		
<b>Operation</b>	permissible temperature range	-20 ... +60 °C   -4 ... +140 °F (non-condensing) -40 °C   -40 °F optional -20 °C   -4 °F standard
<b>Transport</b>	permissible temperature range	-20 ... +60 °C   -4 ... +140 °F
<b>Storage</b>	permissible temperature range	-20 ... +60 °C   -4 ... +140 °F
<b>Degree of protection</b>	according to DIN EN 60529	IP65/66 safe area

### DANGER!

#### Danger due to high voltage!

Capacitor is under high voltage if the unit has already been connected!

- ▶ Wait for a sufficiently long time (at least 60 minutes) before opening the housing of the high-energy igniter or disconnecting its cables.

### DANGER!

**WARNING - DO NOT OPEN WHEN ENERGISED**

# Technical Data High Energy Igniter HEI600

## NOTICE

The limits of the technical data must be strictly adhered to.

## Order Information

**Electrical high energy igniter HEI600**, ignition performance 10 Joule, ignition frequency 26 J/spark frequency, in wall mounting housing IP65. For igniting of gas or oil main burners.

Description/Type	Order no.
High Energy Igniter HEI600	646R8600
<b>A10 "RANGE OF APPLICATION"</b>	<b>Selection</b>
SAFETY AREA (no explosive atmosphere)	SAF-L
EX-ZONE 2	EX2
<b>A20 "LENGTH IGNITION CABLE"</b>	<b>Selection</b>
1 m	01M
ADDITIONAL CABLE LENGTH 1 m EACH (up to 50 m total length possible)	M
<b>A25 "IGNITION CABLE TYPE"</b>	<b>Selection</b>
HIGH VOLTAGE CABLE WITH ARMOURING	ARM
<b>A30 "CONNECTION TYPE"</b>	<b>Selection</b>
STANDARD	STD
<b>A40 "POWER SUPPLY VOLTAGE"</b>	<b>Selection</b>
120 VAC, 50/60 HZ	120VAC
230 VAC, 50/60 HZ	230VAC
<b>A50 "LENGTH CONNECTION CABLE"</b>	<b>Selection</b>
1 m	01M
ADDITIONAL CABLE LENGTH 1 m EACH (up to 50 m total length possible)	M
<b>A60 "DESIGN"</b>	<b>Selection</b>
ON MOUNTING PLATE	MP
IN WALL MOUNTING HOUSING IP65	WG

The information in this publication is subject to technical changes.



**LAMTEC Meß- und Regeltechnik  
für Feuerungen GmbH & Co. KG**

Josef-Reiert-Straße 26  
D-69190 Walldorf  
Telefon: +49 (0) 6227 6052-0  
Telefax: +49 (0) 6227 6052-57

[info@lamtec.de](mailto:info@lamtec.de)  
[www.lamtec.de](http://www.lamtec.de)

