

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 ² AWG17, max is 3 x 2.5 mm ² AWG13

Operating Condition

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

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

Technical Data High Energy Igniter HEI600



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

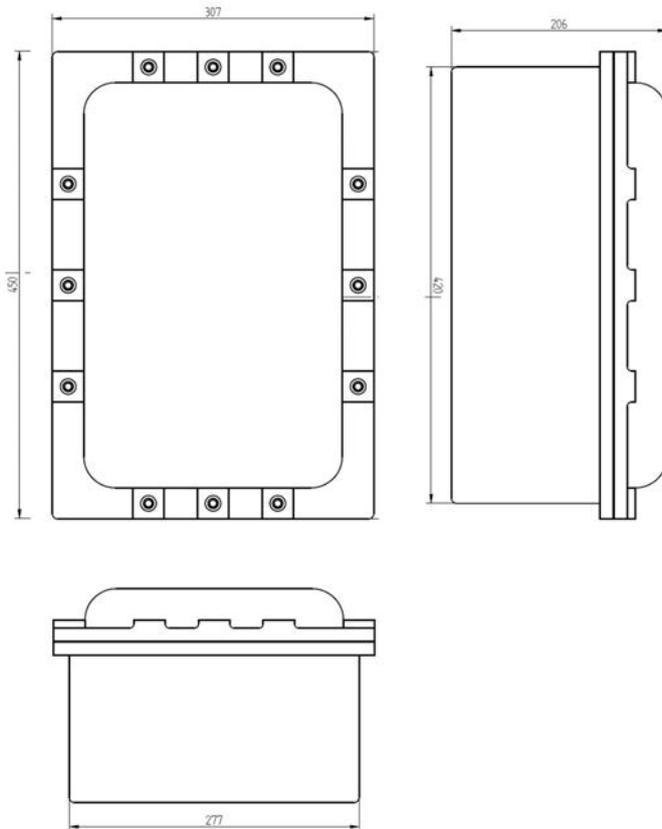


Fig. 4 Dimensions Ex-housing Zone 2

Technical Data High Energy Igniter HEI600

Technical data high energy igniter HEI600 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 ²

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

NOTICE

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

Technical Data High Energy Igniter HEI600

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

The information in this publication is subject to technical changes.



LAMTEC GmbH & Co. KG

Josef-Reiert-Straße 26

69190 Walldorf

GERMANY

Telefon: +49 (0) 6227 6052-0

Telefax: +49 (0) 6227 6052-57

info@lamtec.de

www.lamtec.de

