

Technical Data High Energy Igniter HEI600



Fig. 1 High energy igniter HEI600

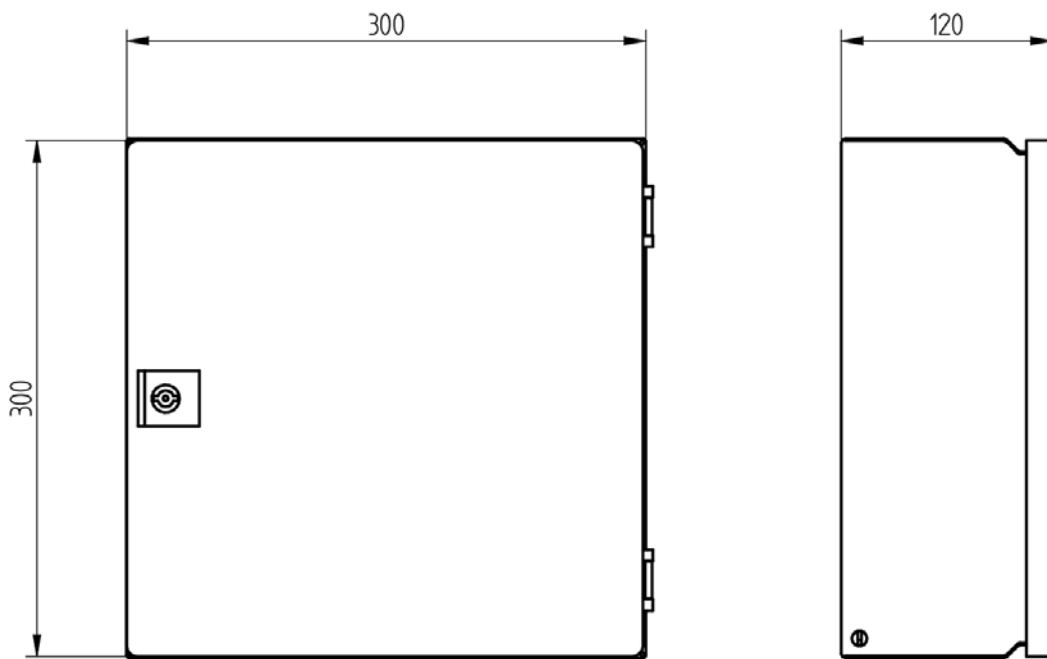


Fig. 2 Dimensions of the housing High energy igniter HEI600

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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
Storage	perm. temperature range	-20 ... +60 °C -4 ... +140 °F
Degree of protection	according to DIN EN 60529	IP65/66 safe area

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

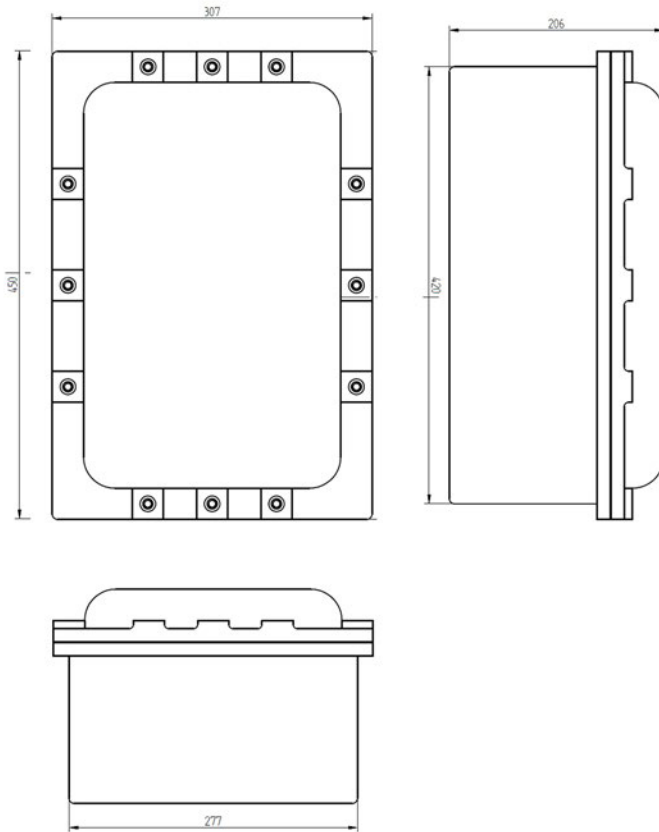


Fig. 4 Dimensions Ex-housing Zone 2

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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.

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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.



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