

Model

Shokouh Transformers

■ High frequency ignition transformer

The shokouh high frequency ignition transformer has been designed for use with oil, gas and dual fuel burners of small to medium rating and has been produced in 6 models namely "Technical data table".

- The general version has been designed on any type of burner, from the dimension point of view.
- Due to low power consumption and very few internal losses this transformer can continue it's operation, several times more than necessary for the burner.
- According to the type of design, this transformer has outstanding performance.
- All types can be supplied with filter to minimize the emission of electromagnetic interference

■ installation instruction

- In order to prevent the radio interferences, the outlets cables shall be selected from suitable type with high voltage, and avoid unnecessary length.
- Spark gap at the ignition electrode shall be adjusted on the basis of burner type and table of specifications.
- Other cables should not run as close together with the transformers cables.
- Because of high voltage of outlets do not touch the transformer or put conductive objective near to the unit during operation.



■ Technical specifications of the 6 ignition transformers

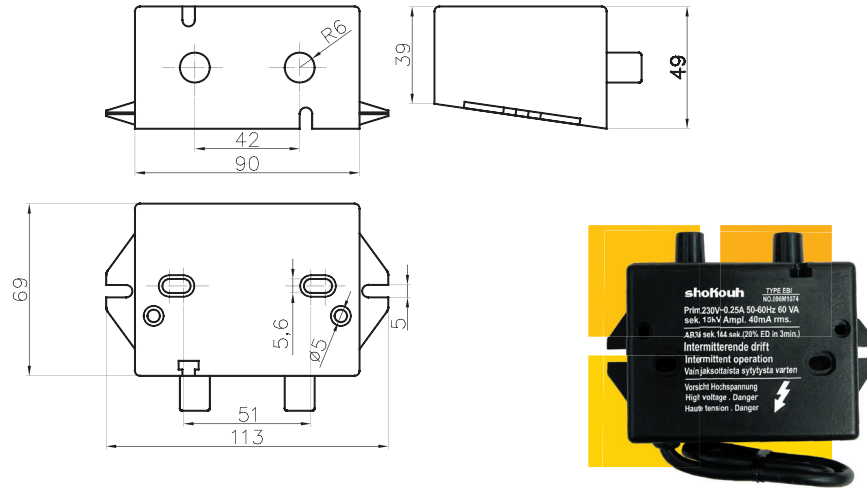
The automatic ignition transformer has two other specifications in addition the specifications of the other models.

- If there is not any response to the interruption command from controller system (due to difficulty in the controller system) the unit will interrupt it's operation automatically after two minutes, and remain ready for the next command.
- The appearance of unit and mounting places of transformer to the burner, has been designed in such a form, which makes easier in it's variety applications.

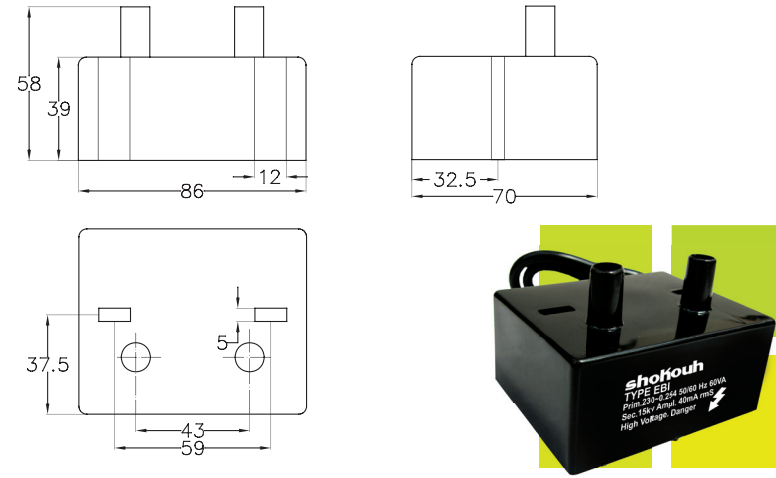
■ Technical data

Model	Automatic	Automatic case	General	Cof1	Cof2	Permanent
Supply voltage	220v ± 10%	220v ± 10%	220v ± 10%	220v ± 10%	220v ± 10%	220v ± 10%
Supply frequency	50HZ ± 20%	50HZ ± 20%	50HZ ± 20%	50HZ ± 20%	50HZ ± 20%	50Hz ± 20%
Power consumption	35VA	35VA	20VA	20VA	20VA	50vA
Secondaty voltage	2×7.5kv	2×7.5kv	2×7kv	1×14kv	2×7kv	2×7.5kv
Secondary current (rms)	50 mA	50 mA	40 mA	40 mA	40 mA	40 mA
Output frequency	20khz	20khz	20khz	20khz	20khz	20khz
Working ombient temp	-10°C- +60°C	-10°C- +60°C	-10°C- +60°C	-10°C- +60°C	-10°C- +60°C	-10°C- +60°C
Switch on time (rating)	50% ED in 4 minutes	33% ED in 3 min	33% ED in 3 min	33% ED in 3 min	33% ED in 3 min	95% ED in 6 hour
Mountening attitude	Any	Any	Any	Any	Any	Any
Cable length and type	H.V cable 1.00 mm	H.V cable 1.00 mm	H.V cable 1.00 mm	H.V cable 1.00 mm	H.V cable 1.00 mm	H.V cable 1.00 mm
Max spark gab (mm)	3-6 mm	3-6 mm	3-6 mm	3-6 mm	3-6 mm	3-6 mm
Weight	320 gr	315 gr	280 gr	250 gr	250 gr	320 gr
H.T cable only	Silicon insulated, tepeature rating 175°C	Silicon insulated, tepeature rating 175°C	Silicon insulated, tepeature rating 175°C	Silicon insulated, tepeature rating 175°C	Silicon insulated, tepeature rating 175°C	Silicon insulated, tepeature rating 175°C

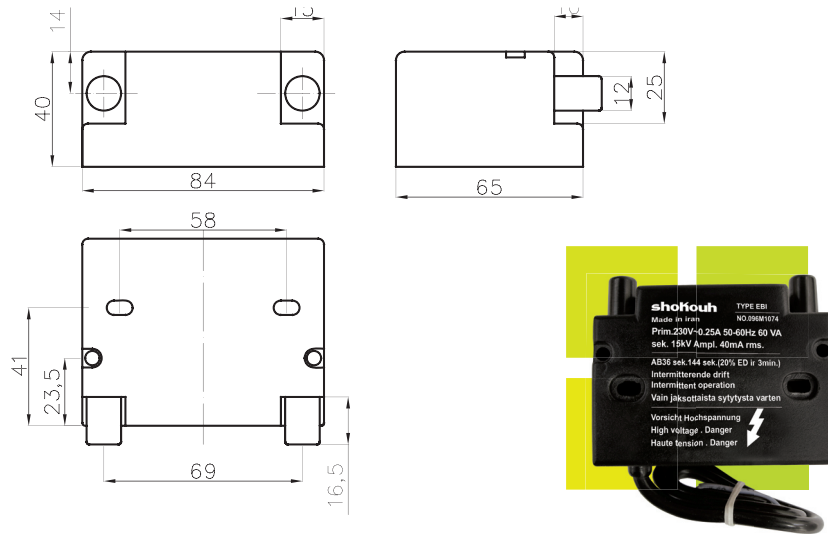
■ Shokouh ignition TRs. Dimensions (mm)



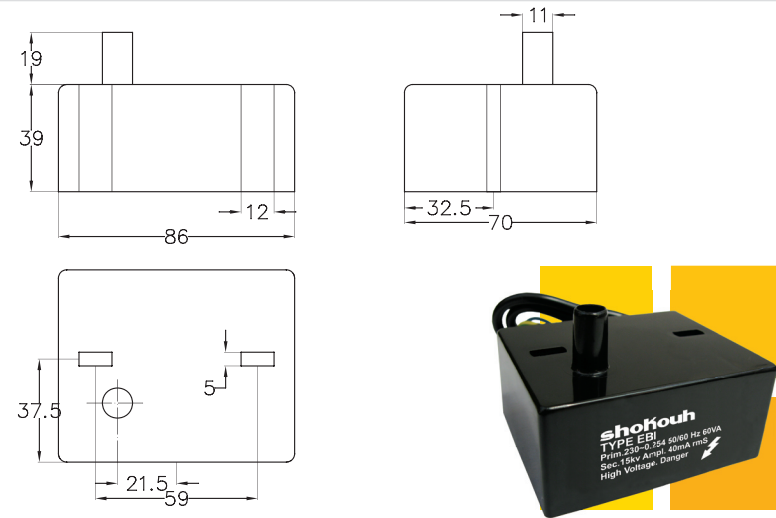
Automatic & Automatic case & permanent dimension



COF2 Dimensions



General dimension



COF1 Dimensions