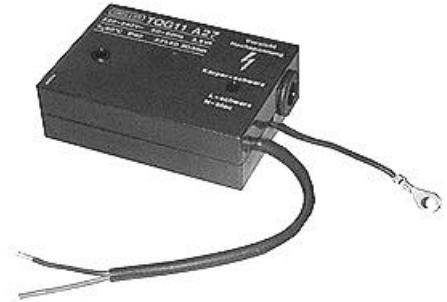




ISO 9001

## Electronic Ignition Module

## TQG1...



**Electronic ignition module for single-pole ignition of atmospheric gas burners.**

The TQG1... and this data sheet are intended for use by OEMs, which integrate the electronic ignition module in their products.

### Mechanical design

The casing is made of impact-proof and heat-resistant plastic. Due to its compact design, the electronic ignition module can be accommodated under the AGK11 plug-in base of the respective burner control, using two fixing screws.

**i** The ignition cable is supplied by the burner manufacturer.

### Ordering

When ordering, please give the type reference:

**TQG11A27** for 170 mm cable length  
**TQG12A27** for 1500 mm cable length

Also refer to «Dimensions»!

### Technical data

Mains voltage	AC 220 V -15 %...AC 240 V +10 %	Energy per ignition spark	3.8 mJ
Mains frequency	50...60 Hz ±6 %	Output voltage	14 kV → peak value
Length of ignition cable	max. 600 mm <sup>1)</sup>	Nominal current	16 mA
<sup>1)</sup> The ability to ignite diminishes as the ignition cable length increases. Longer ignition cables can be used. Proper ignition on the burner must also be checked under extreme conditions, such as undervoltage, etc.		Nominal power consumption	3.5 VA
		Output current	150 mA → peak value
		Energy per s	190 mJ
<b>Environmental conditions</b>		Spark ignition frequency	50 Hz
<b>Transport</b>	IEC 721-3-2	Cycle time	3 min.
Climatic conditions	class 2K2	On time ratio	33 %
Temperature range	-20...+60 °C Proper ignition ensured down to -30 °C!	On time	max. 1 min
Humidity	< 95 % r.h.	Spark path	2...4 mm
Mechanical conditions	class 2M2	Degree of protection	IP 40
<b>Operation</b>	IEC 721-3-3	Weight	approx. 125 g
Climatic conditions	class 3K5		
Temperature range	-20...+60 °C		
Humidity	< 95 % r.h.		
<b>Condensation, formation of ice and ingress of water are not permitted!</b>			



