SIEMENS

7230

Connection Accessories for Medium-Capacity Burner Controls

AGM...

Accessories for connecting medium-capacity burner controls to combustion plant.

The AGM... and this Data Sheet are intended for use by OEMs which integrate the plug-in bases in their products.

Use

The AGM... are for use with the following types of medium-capacity burner controls:

Type reference	Plug-in base	Pg11 thread	M16 thread
LAL...	AGM410490500	x	
	AGM13.1		x
LFL...	AGM410490550	x	
	AGM14.1		x
LDU...	AGM11	x	
	AGM11.1		x
LGI16...	AGM15	x	
	AGM15.1		x
LOK16...	AGM16	x	
	AGM16.1		x
LGK16...	AGM17	x	
	AGM17.1		x

Warning notes

To avoid injury to persons, damage to property or the environment, the following warning notes should be observed!

- All activities (mounting, installation and service work, etc.) must be performed by qualified staff
- Before performing any wiring changes in the connection area of the burner control, completely isolate the unit from the mains supply (all-polar disconnection)
- Ensure protection against electric shock hazard by providing adequate protection for the burner control´s connection terminals
- Check wiring and all safety functions

Mounting notes

- Ensure that the relevant national safety regulations are complied with
- Connect the earthing lug on the AGM... plug-in base to the burner using a metric screw M4 and a lockwasher or similar

Installation notes

- Do not mix up live and neutral conductors
- Decisive for the electrical connections of valves and other plant components are the plant diagram and the mounting and commissioning instructions provided by the burner supplier
- To isolate the plant from the mains supply, use an all-polar switch with a contact gap of at least 3 mm
- To protect the burner control electrically, install a primary fuse

Commissioning notes

- Check wiring carefully prior to commissioning

Standards and certificates

CE

Conformity to EEC directives

– Electromagnetic compatibility EMC (immunity)	89 / 336 EEC
– Gas appliance directive	90 / 396 EEC
– Low-voltage directive	73 / 23 EEC

ISO 9001: 2000
Cert. 00739

ISO 14001: 1996
Cert. 38233

Service notes

- Check wiring and all safety functions each time a unit has been replaced

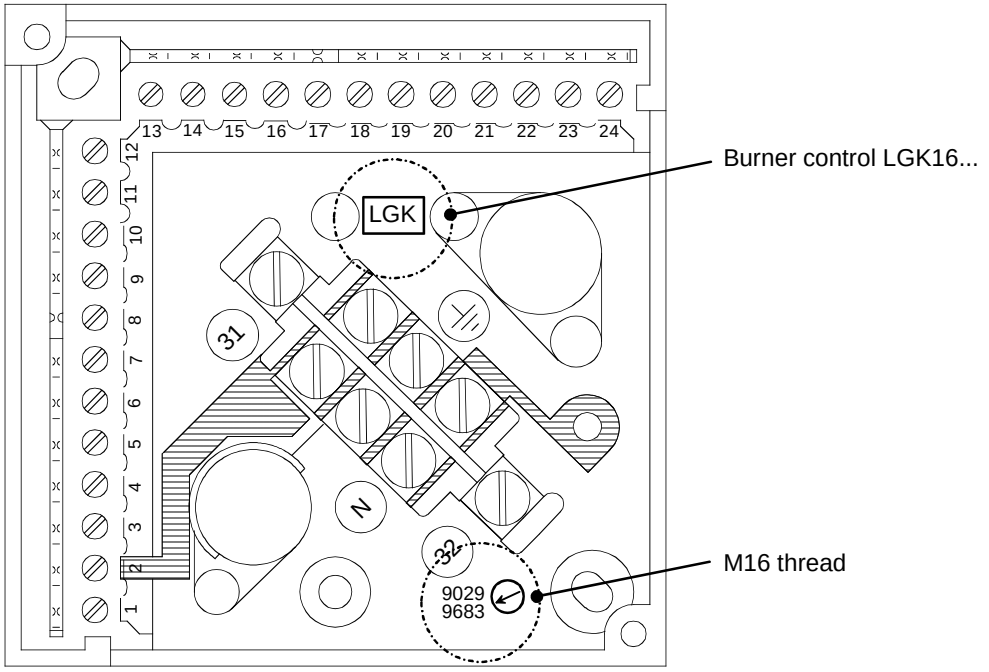
Disposal notes

The plug-in base must not be disposed of together with household waste. Local and currently valid legislation must be observed.

- Made of black, impact-proof and heat-resistant plastic
- Plug-in base and connectors of the burner control are designed such that only the correct burner control can be fitted
- 24 connection terminals
- Auxiliary terminals «31» and «32»
- 3 earth conductor terminals, joining in a lug for earthing the burner
- 3 neutral conductor terminals (prewired to terminal 2)
- 14 knockout holes for cable entry via cable entry glands (8 laterally, 6 in the bottom)
- 6 lateral treaded knockout holes for cable entry glands Pg11 or M16

Markings on the plug-in base

Example: LGK16...:



Pg11 thread: Marked **9029** on the plug-in base (refer to «Dimensions»).

M16 thread: Marked **9683** on the plug-in base (refer to «Dimensions»).

Note

A coded pin in the plug-in base ensures that burner controls with other functions cannot be fitted!

Ordering

Plug-in base for use with burner controls LDU...	
- With Pg11 thread [1])	**AGM11**
- With M16 thread [2])	**AGM11.1**
Plug-in base for use with burner controls LAL...	
- With Pg11 thread [1])	**AGM410490500**
- With M16 thread [2])	**AGM13.1**
Plug-in base for use with burner controls LFL...	
- With Pg11 thread [1])	**AGM410490550**
- With M16 thread [2])	**AGM14.1**
Plug-in base for use with burner controls LGI16... (supplied with wire link«J»)	
- With Pg11 thread [1])	**AGM15**
- With M16 thread [2])	**AGM15.1**
Plug-in base for use with burner controls LOK16...	
- With Pg11 thread [1])	**AGM16**
- With M16 thread [2])	**AGM16.1**
Plug-in base for use with burner controls LGK16...	
- With Pg11 thread [1])	**AGM17**
- With M16 thread [2])	**AGM17.1**

[1]) Marked 9029 on the plug-in base (refer to «Dimensions»)
[2]) Marked 9683 on the plug-in base (refer to «Dimensions»)

Technical data

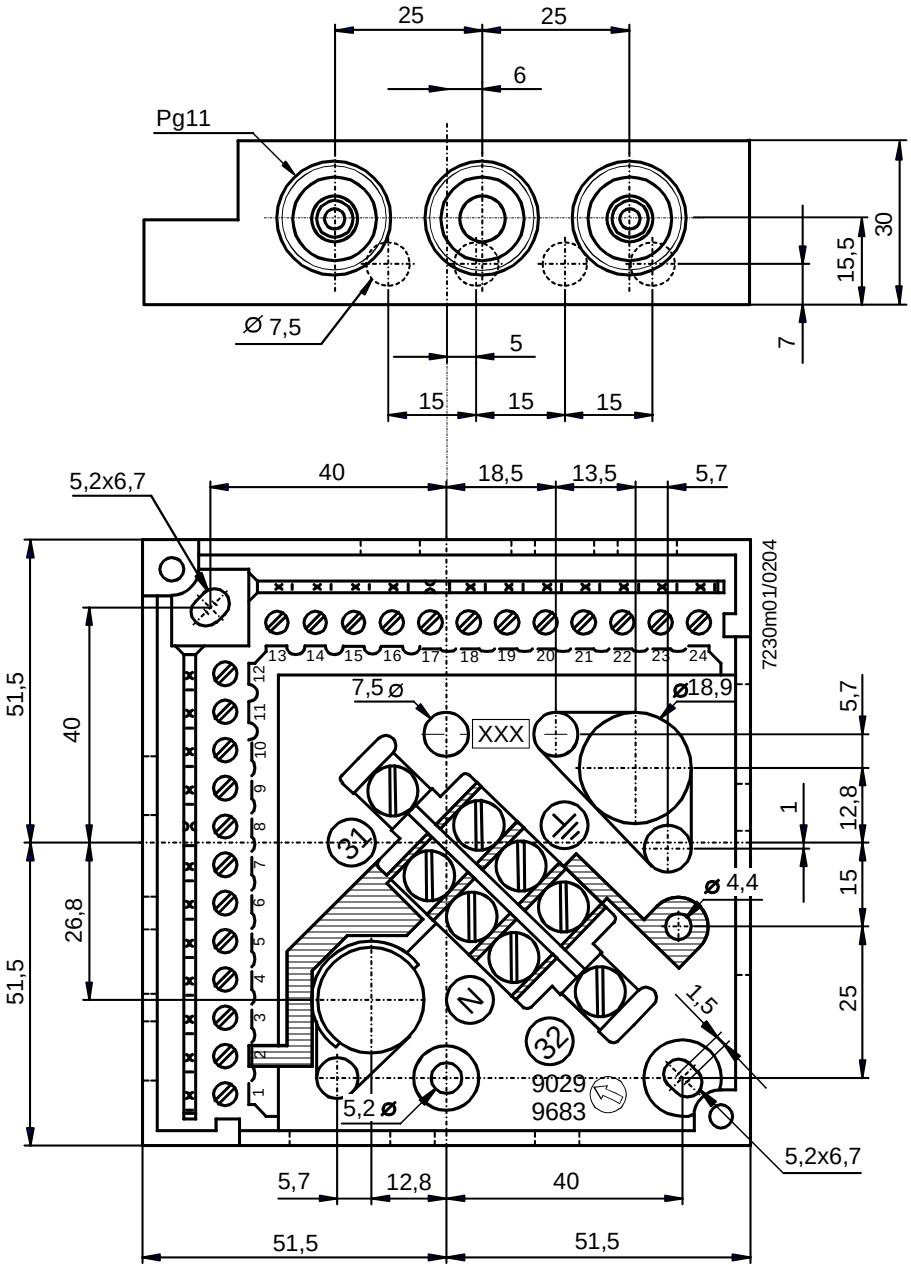
General data	Weight	approx. 165 g
	Degree of protection	IP 00
	Tightening torque - Cable with ferrules	to EN 60 335-1 50 Ncm
	Loosening torque	40 Ncm
	Max. cross-sectional area - Terminals - Auxiliary terminals N, PE, 31 and 32	 min. 0.5 mm² max. 1.5 mm² solid wire or stranded wire with ferrule min. 0.5 mm² max. 1.5 mm² solid wire or stranded wire with ferrule (when connecting 2 solid wires or stranded wires per terminal, same cross-sectional areas must be used)
	Ferrules	matching the cross-sectional area of the stranded wire
Environmental conditions	**Transport** Climatic conditions Mechanical conditions Temperature range Humidity	DIN EN 60 721-3-2 class 2K2 class 2M2 -40...+60 °C < 95 % r.h.
	Operation Climatic conditions Mechanical conditions Temperature range Humidity	DIN EN 60 721-3-3 class 3K5 class 3M2 -20...+60 °C < 95 % r.h.

Condensation, formation of ice and ingress of water are not permitted!

Dimensions

Dimensions in mm

Plug-in base AGM…
with Pg11 threads



Dimensions in mm

Plug-in base AGM…
with M16 threads