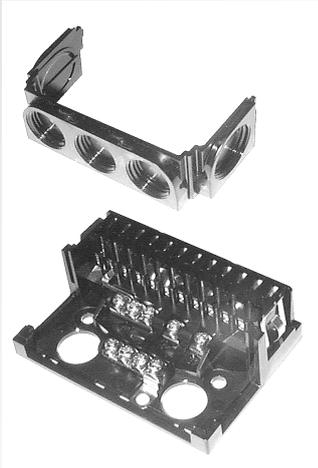




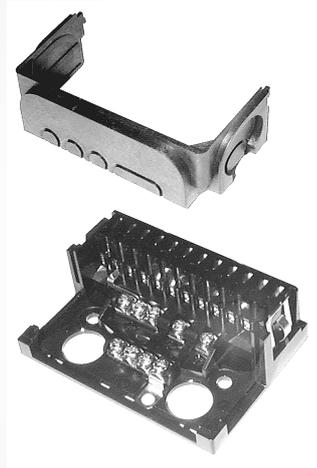
ISO 9001

Connection Accessories for small Burner Controls

**AGK11
AGK65
AGK66
AGK67...**



AGK11 plug-in base
with AGK65 cable gland holder



AGK11 plug-in base
with AGK66 cable gland holder



AGK11 plug-in base
with AGK67.1 (bottom part) and
AGK67.2 (top part) cable holder

Accessories for connecting burner controls of small capacity to the combustion plant.

The AGK11, AGK65, AGK66, AGK67... and this data sheet are intended for use by OEMs which integrate the accessory items in their products.

Use

The AGK... are for use in connection with the following types of burner controls:

- LGA...
- LGB...
- LGD1...
- LMG2...
- LOA...
- LMO...

The AGK11 plug-in base is suited for use with the AGK65 cable gland holders or the AGK66 or AGK67... cable holders.

Warning notes



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

- Completely isolate the plant from the mains supply before performing any work
- Ensure and check protection against electric shock hazard through adequate installation of the burner control and of all electrical connections
- Check wiring and all safety functions

Mounting notes

- The relevant national regulations must be complied with
- We recommend to connect the gas burner controls with a single-section terminal block
→ No risk of mixing up when reconnecting
- Connect the earthing lug on the AGK11 plug-in base to the burner using a metric screw with a lockwasher or similar
- The cable and cable gland holders clip onto the AGK11 plug-in base

Installation notes

- Installation and commissioning work may only be carried out by qualified staff
- Before putting the burner control into operation, check wiring carefully
- Do not mix up live and neutral conductors
- Decisive for the electrical connections of valves and other burner 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 least 3 mm
- To protect the burner control electrically, install a pre-fuse

Ordering

Plug-in base with holes knocked out	AGK11
Cable gland holder	AGK65
Cable holder with knockout holes	AGK66
Cable holder for tension relief elements, consisting of 2 parts	
– Bottom	AGK67.1
– Top	AGK67.2

Accessories

Cable tension relief elements	
– Tension relief large, for cable dia. 6.8 ±0.2 mm	4 199 9518 0
– Tension relief large, for cable dia. 8.2 ±0.2 mm	4 199 9519 0
– Tension relief large, for cable dia. 9.2 ±0.2 mm	4 199 9523 0
– Tension relief small, for cable dia. 4.5 ±0.2 mm	4 199 9522 0
– Tension relief small, for cable dia. 5.3 ±0.2 mm	4 199 9516 0
– Tension relief small, for cable dia. 5.8 ±0.2 mm	4 199 9517 0
– Dummy element, large (with hole)	4 199 9526 0
– Dummy element, large	4 199 9515 0
– Dummy element, small	4 199 9525 0

Mechanical design

AGK11 plug-in base

- Made of impact-proof, heat-resistant plastic
- Accommodates (in addition to the 12 connection terminals):
 - 3 neutral terminals, pre-wired to terminal 2, the neutral input
 - 4 earth conductor terminals, joining in a lug for earthing the burner
 - 2 auxiliary terminals marked «31» and «32»
- With 2 holes in the floor of the AGK11 for cable entry
- With catches on the two narrow sides which audibly engage in the burner control's housing. To disengage, a screwdriver must be slightly tilted in the guiding slots
- Neutral and auxiliary terminals with self-tapping screws
- Connection terminals with self-locking screws
- Supplied with terminals open to facilitate mounting
- The burner control with the AGK11 is secured to the burner with fixing screws M5

AGK65 cable gland holder

- Made of impact-proof, heat-resistant plastic
- Insertable into the AGK11 plug-in base.
 - With 5 threaded knockout holes for non-metallic Pg11 cable glands, 3 on the front and one on each of the other sides
- Removable

AGK66 cable holder

- Made of impact-proof, heat-resistant plastic
- Insertable into the AGK11 plug-in base
- With 6 knockout holes for cable entry, without cable tension relief, each side 1 x 8.8 mm, 17 mm dia. and, on the front, 3 x 7 mm dia. and one elongated hole 6 x 20 mm
- Can be used in place of the cable gland holder (refer to «Ordering»)

AGK67... cable holder

- Made of impact-proof, heat-resistant plastic
- Consisting of 2 parts:
 - AGK67.1 bottom
 - AGK67.2 top
- The AGK67.1 has 2 protective noses
- The burner control with the AGK11 is secured to the burner with fixing screws M4. Protective noses can be broken off to allow fixing screws M5 to be used
- Connection between AGK67.1 and AGK67.2:
 - Via 4 studs and 2 small catches
- Connection between AGK67.1 and AGK11:
 - Via 2 dovetails

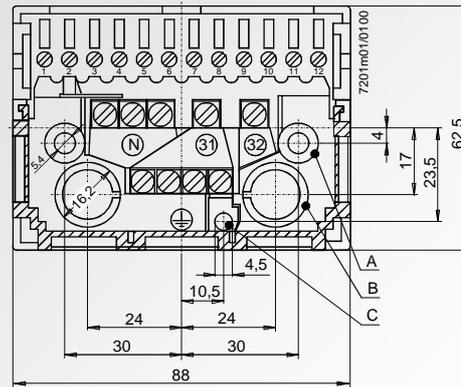
Technical data

Weight		AGK67... cable holder	
AGK11 plug-in base	approx. 80 g	Cable tension relief	to EN 60335T1
AGK66 cable holder	approx. 12 g	Perm. weight of burner components	
AGK65 cable gland holder	approx. 12 g	Suspended	max. 1 kg
AGK67.1 bottom section	approx. 4 g	Temperature range	
AGK67.2 top section	approx. 10 g	- Transport	-40...+60 °C
Tightening torque		- Operation	-20...+60 °C
- Cable with terminating sleeves	60 Ncm	Neutral and auxiliary terminals	
Loosening torque	40 Ncm	- Screwdriver	to DIN 5264
Length of conductor in a loop	min. 10 mm	Or	
		- Philips screwdriver	to DIN 5260-PZ1

Dimensions

AGK11 plug-in base

Dimensions in mm



AGK11 plug-in base with screw terminals

«B»: holes for cable entry

«31» and «32»: auxiliary terminals

«N»:

Neutral terminals, connected to neutral input (terminal 2)

Underneath:

4 earth conductor terminals, joining in a lug for earthing the burner

Hatched:

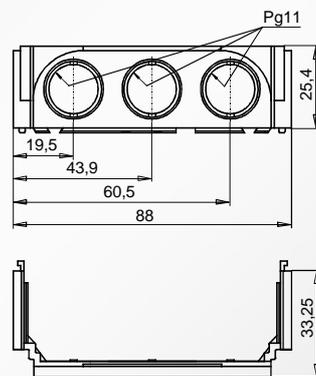
Positions of AGK65 cable gland holder and AGK66 cable holder



Connection of earthing lug «C» and fixing screws in «A» to the burner ground

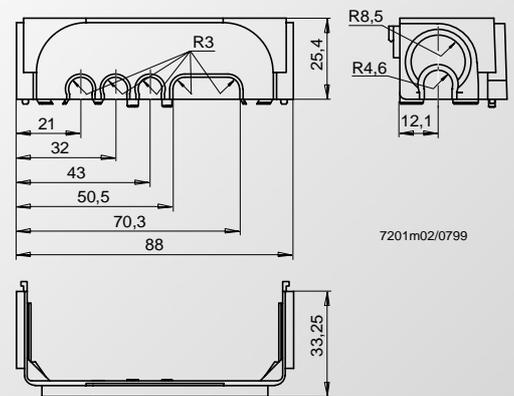
→ Metric screw with a lockwasher or similar!

AGK65 cable gland holder



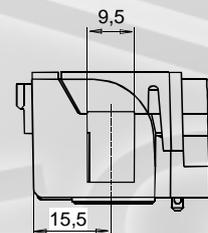
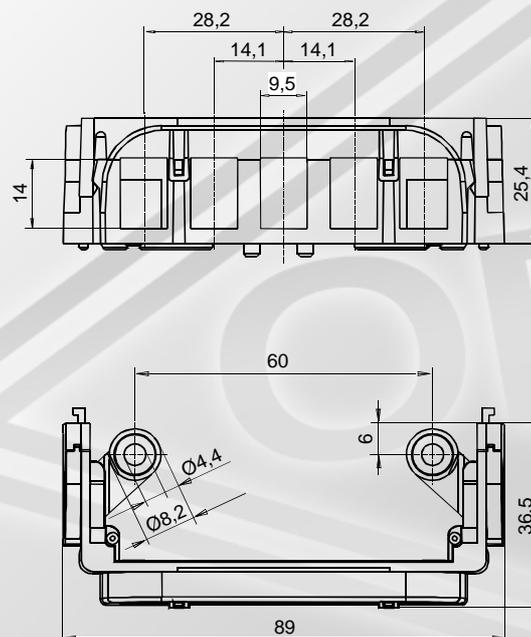
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AGK66 cable holder



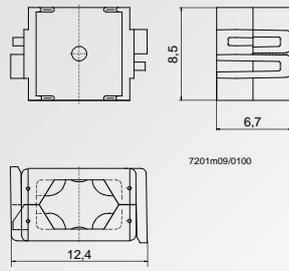
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AGK67... cable holder (complete)

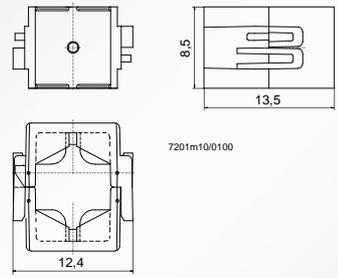


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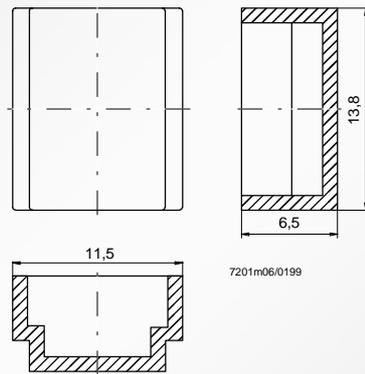
Cable tension relief small (2 parts)



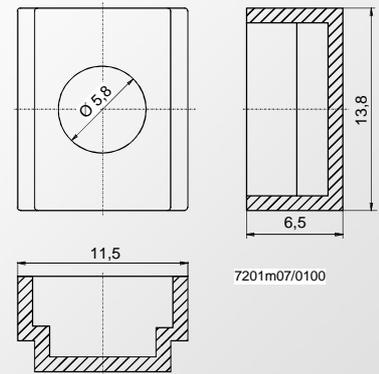
Cable tension relief large (2 parts)



Dummy element large, for AGK67... cable holder



Dummy element large (with hole), for AGK67... cable holder



Dummy element small, for AGK67... cable holder

