



GEMOS mini access controller for installation in the GEMOS Box or for mounting on the GEMOS DIN rail mounting plate.

The GEMOS mini access controller (MGAC) is used as central control unit for GEMOS modules, bus readers and directly connected components of access points.

The MGAC stores all rights, protocol and configuration data. The connection to the GEMOS server is established via TCP/IP. The connection to the periphery is made via the GEMOS universal bus and the integrated inputs and outputs. By using two MGACs, the availability of the system can be increased using bus redundancy (optional).

The MGAC manages up to 16 bus subscribers and two directly connected access points simultaneously. Control and management of the bus components connected via the GEMOS universal bus:

- GEMOS I/O module (GIO)
- GEMOS access door module (GAM)
- suitable bus readers

Available as euroboard for installation in the GEMOS Box or for mounting on the GEMOS DIN rail mounting plate. Box and mounting plate are not included. Delivery includes microSD card (contains firmware and configuration data) and operating system.

Features

- 1 Ethernet port
- 1 electrically separated connection for GEMOS universal bus (RS-485)
- up to 16 participants addressable on GEMOS universal bus
- 128-bit AES encrypted transmission on the GEMOS universal bus (optional)
- Ring bus operation when using two GEMOS mini access controllers enable bus and bus master redundancy (optional)

GEMOS DIN rail mounting plate and GEMOS Box (accessories)

- Operating system and firmware on non-volatile memory
- 3 digital inputs
- 1 Sabotage input
- 2 bipolar optocoupler inputs
- 2 relay outputs (changeover contact)
- LED indicators for voltage monitoring, for data traffic of the Ethernet port and GEMOS universal bus
- Slot for an optional GEMOS micro module e.g. RS-232 or RS-485/RS-422
- micro SD Memory Card Slot
- also available as variant MGAC-RACK with VG ledge (20001) for installation in the GEMOS 19" rack (20009)



Technical specifications

Product	GEMOS mini access controller
Power supply	9 to 28 V DC
Power consumption	typical 4 W, maximum 13 W
Connections	1 Ethernet port 10/100Base-T via RJ45 socket 1 connection GEMOS universal bus RS-485, electrically separated, for bus segments up to 1,000 m long via plug connector with screw terminal 3+1 logic inputs up to 30 V DC via WAGO plug-in terminals 2 bipolar electrically separated inputs 5-30 V DC via WAGO plug-in terminals 2 relay outputs up to 30 V DC 0.5 A via WAGO plug-in terminals
Dimensions W x H x D	160 mm x 21 mm x 100 mm
Weight	approx. 0.22 kg
Operating temperature range, moisture range	10 to 50 °C, 10 to 90 % non-condensing humidity
Storage temperature range, moisture range	0 to 70 °C, 10 to 90 % non-condensing humidity
Warnings	Observe the warnings in the manual. Commissioning only by trained personnel. Operate indoors only.
Disposal	To be treated as electronic waste according to WEEE
Article number	20002
Order number / article number SAP	ELA-G-20002 / B-55352-00-0-2
EAN	4015540962790

Publisher:
BKS GmbH
Heidestr. 71
42549 Velbert
Tel: +49 (0) 2051 201-0
Fax: +49 (0) 2051 201-9733
www.g-u.com