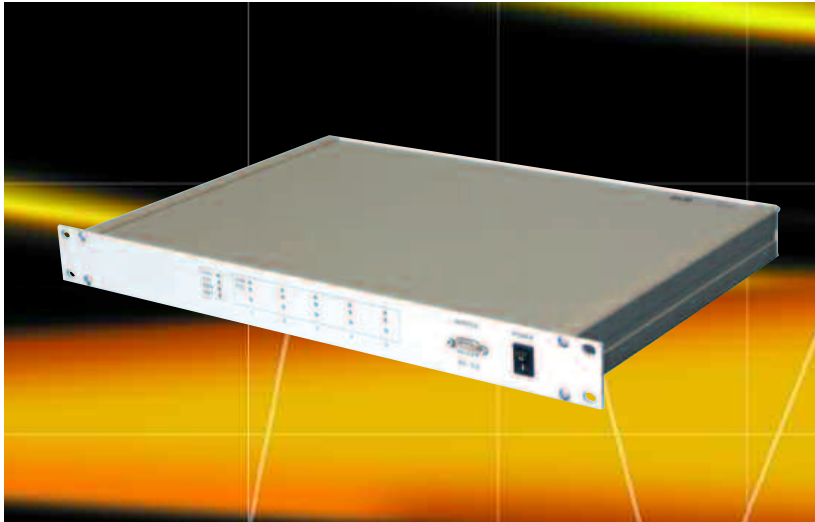




## 235 • Cabinet monitoring and shutdown via network



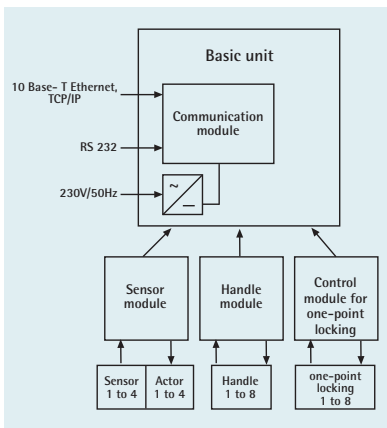
### Cabinet monitoring and shutdown via network

- modular system assembly
- basic unit comprises:
  - 19" case 1U
  - mains adapter
  - communication module
- device is equipped with a maximum of 5 additional modules of your choice and delivered as an operational system
- all functionality can be tracked and managed online with SNMP or Telnet

**Finish:**  
RAL 7035 light grey

**Material:**  
front panel: aluminium  
enclosure: sheet metal

**Finish:**  
operational



Data security, protection from unauthorised access and logging of all state changes are top priorities in today's security conscious environmental. The software within the scope of delivery allows you to monitor environmental parameters easily and clearly, to open the electronic locks and to display their status. Our system can be used for basic monitoring right up to comprehensive system networking of entire banks of data cabinets and computer centres.

<b>Order number</b>
23-5100-60

### Modules for equipping basic unit

#### Sensor module

This module is intended for the acquisition and analysis of a range of environmental parameters such as temperature, humidity, vibration, etc. Up to 4 sensors can be connected to the analogue inputs.

The four relay outputs can be switched irrespective of sensor input values.

Different threshold values can be programmed for each sensor with the relay outputs being switched for the required countermeasures or alarm functions.

<b>Order number</b>
23-5100-62

#### Handle module for 8 handles

This module can drive up to 8 handle systems with triggering magnet component and read in the handle contacts. Special voltage electronics on this module is available to provide the necessary energy required to spring open the locking mechanisms

<b>Order number</b>
23-5100-64

#### Control module for 8 one-point lockings

This module can drive up to 8 one-point locking mechanisms and read in the 8 contact statuses.

<b>Order number</b>
23-5100-68

#### Handle module for 2 handles

This module can drive up to 2 handle systems with triggering magnet component and read in the 2 handle contacts. Special voltage electronics on this module is available to provide the necessary energy required to spring open the locking mechanisms

<b>Order number</b>
23-5100-66

#### Control module for 2 one-point lockings

This module can drive up to 2 one-point locking mechanisms and read in the 2 contact statuses.

<b>Order number</b>
23-5100-70



## Sensor and operator modules

### Keyboard with RJ11 connector



The keyboard is used to address a door in the system and to open it with an access code.

<b>Order number</b>
23-5100-76

### Locking mechanism with reed contact for integration of turning lock



Magnet for integration in handle systems. The handle is opened with this component and its status (open or closed) passed on.

**Standard wire length:** 3 m

<b>Order number</b>
23-5100-78

### One-point locking with reed contact

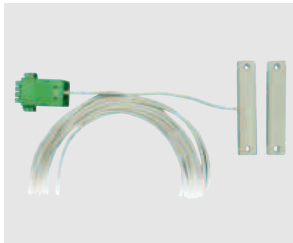


This locking mechanism is for individual use in virtually all enclosures. The handle is opened with this component and its status (open or closed) passed on.

<b>Order number</b>
23-5100-80

4. System technology

### Door switch as flat reed contact



The reed contact switch enables the status of the doors to be monitored.

**Standard wire length:** 3 m

<b>Order number</b>
23-5100-82

### Air conditioning sensor (temperature and humidity)



The analog air-conditioning sensor measures the humidity and the environmental temperature.

**Humidity measurement range:** 0-100% relative humidity

**Temperature measurement range:** -20 - +80°C

**Standard wire length:** 2 m

<b>Order number</b>
23-5100-86

### Optical smoke detector



VdS-proof G29219

**Standard wire length:** 3 m

<b>Order number</b>
23-5100-84

### 19" temperature indicator and regulator

- The module is equipped with a temperature display and a temperature sensor.
- including mounting hardware

**Finish:**

RAL 7035 light grey

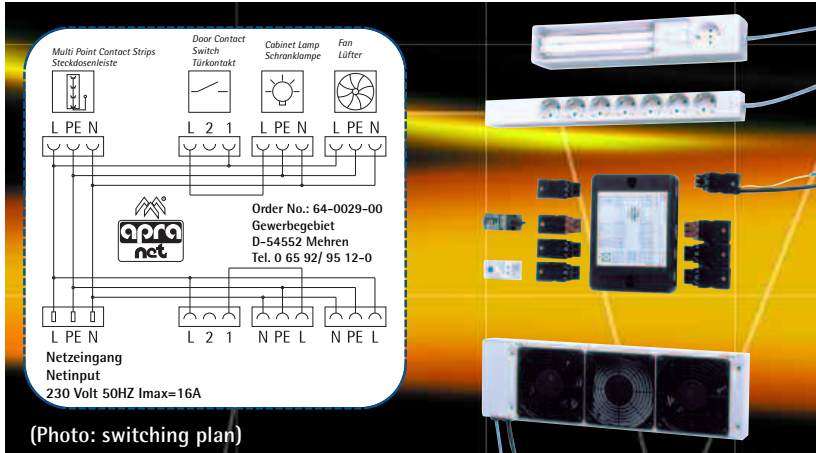
**Material:** sheet metal/plastic



U	Height H mm	Order number
1	44	21-3148-00

**Technical description:**

- temperature display range: +/- 0-70 °C
- control adjustment range: -20 °C to 70 °C
- operational voltage: 230 V
- switch contact potential-free: 250 V, 8 A (2x)
- connection: terminal block



(Photo: switching plan)

**Finish:** RAL 7035 light grey/black  
**Material:** sheet metal/plastic

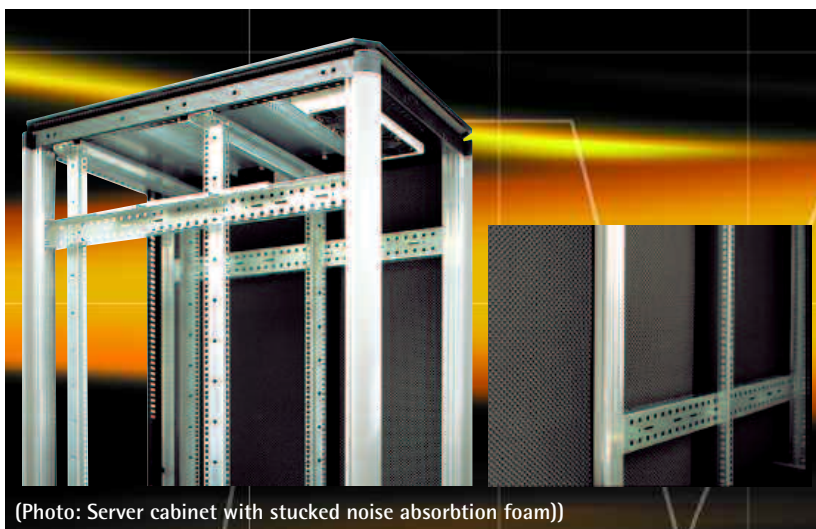
**Finish:** Single component with mounted connector

**plug & play**  
 (simple and quick power supply of all loads in the network cabinet)

- all electric components are plugged into the central module
- modular assembly allows for all variants (see photo)
- the cabinet lamp, for example, can be driven with or without door contact switch
- it is possible to supply two network cabinets (maximum amperage 16A) with one central module or two main outputs and one switch input freely selectable
- the connection of an air conditioning unit may also be achieved via the central module

**Order information**

Pos.	Description		Order number
1	Centralised module 30 x 190 x 145 (H x W x D)		64-0029-00
2	Power cable with earthed connector		64-0102-00
3	Lamp with magnetic fixing and power cable		64-0143-00
4	Door contact switch with power cable		64-0071-10
5	Fan module with temperature regulator (see diagram) 160 m <sup>3</sup> /h per fan	1-way	23-0300-31
		2-way	23-0300-32
		3-way	23-0300-33
		1-way	23-0300-81
		2-way	23-0300-82
		3-way	23-0300-83
6	Power socket strip (German model)	Basic type protection, 7-way	59-1400-00
		Basic type protection, 12-way	59-1412-00
		Power switch with lamp, 6-way	59-1401-00
		Transient protection, 7-way	59-1402-00
		Transient protection and RFT filter, 6-fold	59-1403-00



(Photo: Server cabinet with stucked noise absorbtion foam))

**Noise absorbtion foam**

- for absorbing noise in housings and cabinets (e.g. fan noise of active components)
  - can be stuck into your apraNET product on request
  - material thickness: 10 mm
  - adhesive on one side
  - thermal conductivity: 0.033 W/mk (DIN 52612)
  - heat resistance: -40°C up to +100°C
- Finish:** Colour grey dimpled, partially compressed (permeable to air)  
**Material:** PUR-Ester special foam  
**Finish:** kit form

<b>Order number (1 m<sup>2</sup>)</b>
671-211