

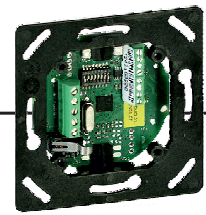
## 2 Detector group modules

### 2 Detector group module BUS-2/BUS-1

- Integration of conventional detectors in a BUS-2 or BUS-1 system
- 2 detector group inputs
- s.m. and f.m. version available



2 DG module  
BUS-2/BUS-1, s.m.



2 DG module  
BUS-2/BUS-1, f.m.

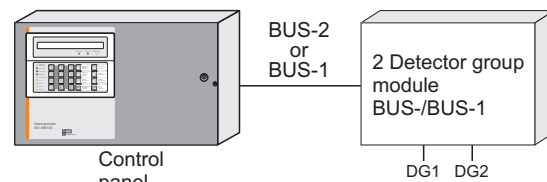
The modules allow conventional detector technology to be connected to the BUS-2 or BUS-1 system technology.

The modules provide two differential detector groups with clear function that work independently of one another.

Per detector group, up to 20 passive glass breakage detectors and/or contacts can be connected.

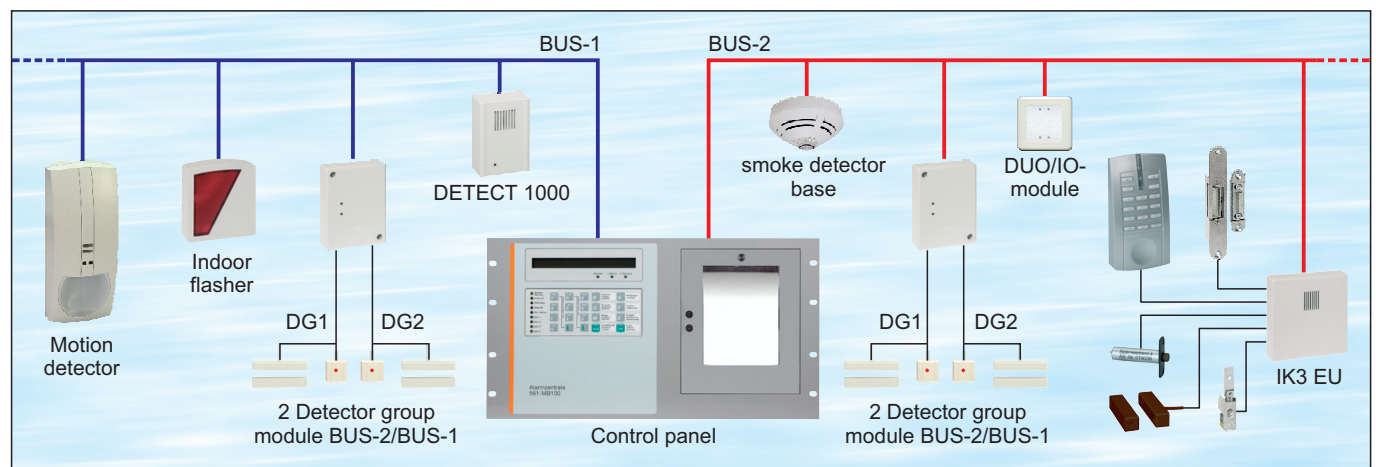
The module can be operated at either BUS-2 or BUS-1.

### System design:



2 detector groups with clear function  
e.g. for contacts, passive glass breakage sensors

### Applikation example:



### Features:

- Simple installation with 3-wire BUS connection technology
- 2 detector group inputs with clear function  
Suitable for passive glass breakage sensors and contacts
- No additional current consumption when DGs are cleared
- 2 LEDs for the optical indication  
The function depends on the used operating mode
- Simple installation of the f.m. module in flush-mounted or cavity wall boxes Ø 60 mm (DIN, Austria and Switzerland).
- Operating modes on BUS-1:
  - Operation as detector group module  
LED indication: detector group status indication  
EOL resistor: 12k1 ±20%
  - Operation as universal connection module  
LED indication: function freely programmable  
EOL resistor: 12k1 ±20%

### • Operating modes on BUS-2:

- Operation as 5-Input Module (compatibility mode)  
LED indication: detector group status indication  
(On 561-MB256: function freely programmable)  
EOL resistor: 12k1 ±20%
- Operation as DUO I/O-Modul  
LED indication: Alarm indication with FAI function  
Walk test mode with LED indication  
EOL resistor: fixed value 12k1 or 10k  
programmable from 4k to 14k  
Monitoring area: ±20%, ±30% or ±40%  
Firmware update via BUS-2

**VdS** -approval Class C (IDS).

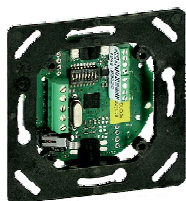
## Technical Data

Rated operating voltage	12 V DC
Operating voltage range	9 V to 15 V DC
Current consumption at U <sub>b</sub> =12 V DC:	
- Detector groups open	≤ 5.0 mA
- Detector groups terminated with 12k1	≤ 0.6 mA in addition per detector group
- LED indicator	≤ 1.3 mA in addition per LED2
2 detector group inputs with clear function:	
- Voltage	8 V DC, stabilized, short-circuit protected
- Monitoring range	12k1 ± 20% (depending on the operating mode the values can be changed)
Protection class as per DIN 40 050	IP 40
Environmental class as per VdS	II
Operating temperature range	-10 °C to +55 °C
Storage temperature range	-25 °C to +70 °C
Dimensions:	
- Module s.m. (W x H x D)	85 x 109 x 30 mm
- Modules f.m.:	
- Mounting dimension (∅ x D)	58 x 26 mm
- Mounting frame (W x H x D)	70 x 70 x 1 mm
- Cover frame (W x H x D)	80 x 80 x 5 mm
Colour	traffic white (similar to RAL 9016)

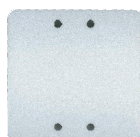
## Ordering informations



010135



010128



010124.17

Item no.	Description
010128	2 Detector group module BUS-2/BUS-1, f.m. incl. Cover frame and Decorating foil VdS -approval G109010
010135	2 Detector group module BUS-2/BUS-1, s.m. VdS -approval G109010

### Accessories

Item no.	Description
010124.17	Decorating foil (PU = 4 pce. with 4 holes, 1 pce. with 2 holes)

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