## Safety

Danger!
Electricity
Injuries due to electricity are possible.
Switch off all electricity while installing the product.
Do not open or modify this product, except if described in this manual.

**Old electrical and electronic appliances**
Electrical or electronic devices that are no longer serviceable must be collected separately and sent for environmentally compatible recycling (in accordance with the European Waste Electrical and Electronic Equipment Directive).

To dispose of old electrical or electronic devices, you should use the return and collection systems put in place in the country concerned.



## Short information

Optional hardware device splitting one Bosch Data Bus (BDB) into two independent and isolated stubs to connect keypads, gateways and further power supplies.

## System overview

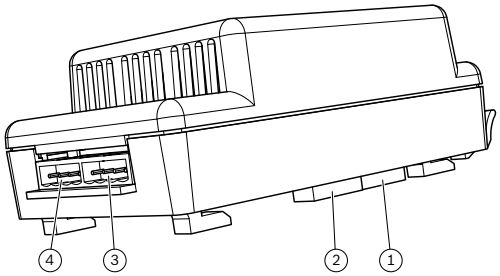



*Fig. 1:* System overview

| | |
|---|---|
| 1 | Bosch Data Bus connector (BDB) |
| 2 | Bosch Data Bus connector (BDB) |
| 3 | Bosch Data Bus connector A (BDB A) |



| | |
|---|---|
| 4 | Bosch Data Bus connector B (BDB B) |

**LED overview**

| LED status | Pattern | Description |
|---|---|---|
| Green, permanently lit | ---------- | Normal operation |
| Green, fast blinking | - - - - - - - | Connection setup |
| Yellow, slow blinking | -- -- -- -- -- | Error on BDB A, failure of power or data, short circuit |
| Yellow, long and short pulse | -- - -- - -- - | Error on BDB B, failure of power or data, short circuit |
| Yellow, permanently lit | ---------- | Error on BDB A and BDB B, CAN splitter fault |

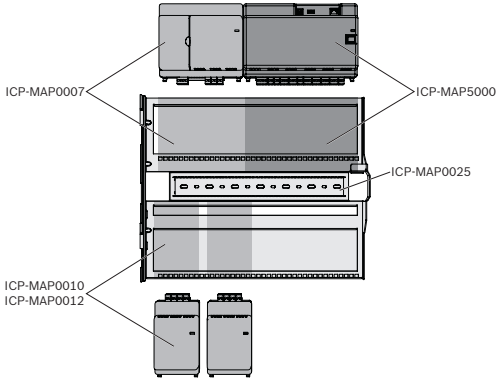
## Installation

The mounting location of the module is on the hinged mounting plate.



The following graphic shows an overview of the hinged mounting plate and the designated mounting locations of the modules.

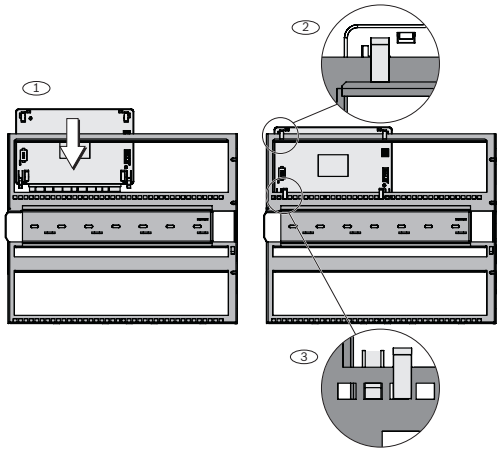
**Hinged mounting plate overview**




1. Slide the module onto the hinged mounting plate.
2. Ensure that the locking clips snap into a pair of rectangular openings on the bottom rail.



**Sliding the module onto the hinged mounting plate**




## Connection

1. Connect the cable of the external Bosch Data Bus to one of the two connectors (BDB) on the back of the module.



2. Connect the cable of stub 1 to the connector BDB A on top of the module.
3. Connect the cable of stub 2 to the connector BDB B on top of the module.

## Maintenance

Maintenance and inspection work must be carried out at defined intervals and by corresponding expert personnel. The regulations of DIN VDE 0833 apply additionally for all work of this kind.

**Notice!**
Have maintenance and inspection work carried out regularly by trained expert personnel. Bosch Sicherheitssysteme GmbH recommends performing a functional and visual inspection at least once annually.



Danger!
Danger of electric shock if live parts are touched. For your safety, you should switch off the power supply to the security system when carrying out maintenance or installation work!

## Decommissioning

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## Technical data

**Electrical**

| | |
|---|---|
| Minimum operating voltage in VDC | 16 |
| Maximum operating voltage in VDC | 29 |
| Rated voltage in VDC | 28 |
| Rated current in mA | 50 |
| Maximum output current in mA per stub | 900 |

**Mechanical**

| | |
|---|---|
| Dimension in cm (H x W x D) | 15,9 x 8,3 x 6,4 |
| Weight in g | 168 |
| Housing material | ABS plastic |
| Color | off-white |

**Environmental**

| | |
|---|---|
| Minimum operating temperature in °C | -10 |
| Maximum operating temperature in °C | 55 |
| Minimum storage temperature in °C | -20 |
| Maximum storage temperature in °C | 60 |
| Minimum relative humidity in % | 5 |
| Maximum relative humidity in % | 95 |
| Usage | indoor |
| Protection class | IP30 |
| Security level | IK04 |
| Environmental class | II |



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# ICP-MAP0012 CAN-splitter module

ICP-MAP0012

BOSCH

**en** Quick Installation Guide

**Bosch Sicherheitssysteme GmbH**
Robert-Bosch-Ring 5
85630 Grasbrunn
Germany

**www.boschsecurity.com**
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