BOSCH

ICP-MAP0012 MAP Splitter BDB/CAN
Modular Alarm Platform 5000

Optional hardware device splitting one Bosch Data Bus (BDB) into two independent and isolated stubs to connect keypads, gateways and further power supplies.
This way, flexible wiring into different directions with up to 500 m cable length as well as a higher reliability can be achieved.
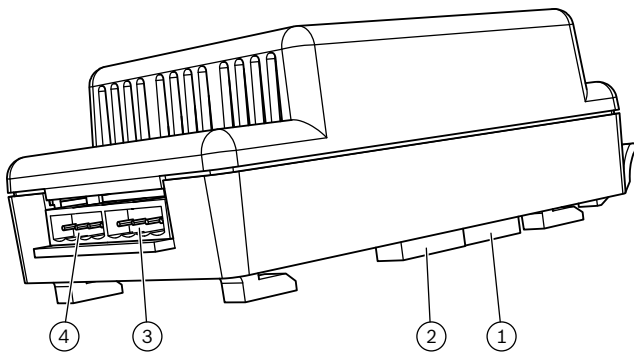
▶ Flexible wiring into different directions due to two independent stubs

▶ Higher reliability due to up to 17 independent areas per MAP 5000

▶ Less investment costs

▶ Easy installation due to simple sliding onto the rail

▶ No configuration needed

Terminals and Connectors
The module is included in a plastic enclosure. The terminal blocks and system connectors are accessible without removing the plastic cover or base.

Functions

Independent and isolated areas
Up to 8 CAN Splitter Modules with two stubs each can be installed in a MAP 5000 system. Therefore, up to 16 independent and isolated areas can be created additionally to the internal Bosch Data Bus (BDB).
If an error occurs in one area, the other areas are not affected and function normally.

Number of devices per stub
Up to 71 CAN devices can be configured on the external Bosch Data Bus (BDB) per MAP 5000 system. These 71 devices can be individually divided on the stubs.
If the maximum output current per stub of 900 mA is exceeded, an additional power supply can be added.

Flexible wiring
The maximum wire length for each stub is 500 m. This enables a more flexible coverage as the stubs can be laid in different directions.

Higher reliability
The independent and isolated stubs offer a higher fault protection and thus a higher reliability of the system.

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)

VdS conformity

For a VdS conform installation it is necessary to use independent and isolated areas. Additionally to the one VdS conform area on the internal Bosch Data Bus (BDB), with the CAN Splitter Module a VdS conformity for up to 16 areas on the external Bosch Data Bus (BDB) can be achieved with less investment costs.

Installation

The module can be installed easily by sliding it onto the rail of the hinged mounting plate.

Configuration

No configuration is necessary.

Regulatory information

Region	Regulatory compliance/quality marks	
Europe	CE	
	CE	[ICP-MAP0012, MAP5000 CAN-Splitter]
	EN50131	G111040 Grade 3
Germany	VdS	G111040 Class C
Poland	TECHOM	03-16-o [ICP-MAP5000]

Parts included

Quantity	Component
1	ICP-MAP0012 CAN Splitter Module
1	ICP-MAP0134 CAN cable short
2	Terminal plug (green)
1	Installation manual

Technical specifications

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

Ordering information

ICP-MAP0012 MAP Splitter BDB/CAN
Provides two independent and isolated stubs for the connection of further keypads, gateways and external power supplies.
Order number **ICP-MAP0012 | F.01U.308.002 F.01U.424.122**