



Sealed lead acid battery module for maintaining the ABB i-bus® system voltage (for up to a minimum of 10 minutes) in case of a mains failure in connection with the Uninterruptible EIB Power Supply SU/S 30.640.1. Connection is made via standard cables.

The Battery Module is for DIN rail mounting device and can easily be snapped onto the mounting rail beneath the Uninterruptible EIB Power Supply.

The back-up time is dependent on the bus load, however, a minimum of 10 minutes is guaranteed when the EIB line is at capacity (64 bus devices).

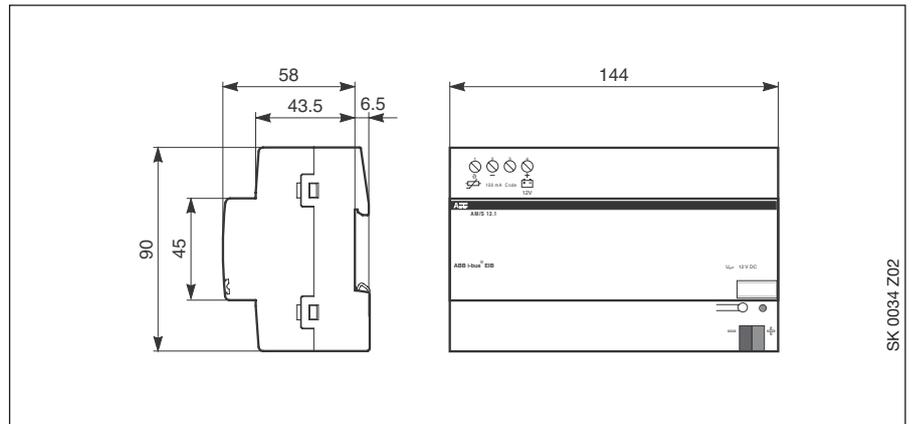
With integrated PTC temperature sensor for monitoring the charging voltage and integrated fuse.

**The temperature sensor must always be connected to ensure that the battery is charged correctly!**

### Technical data

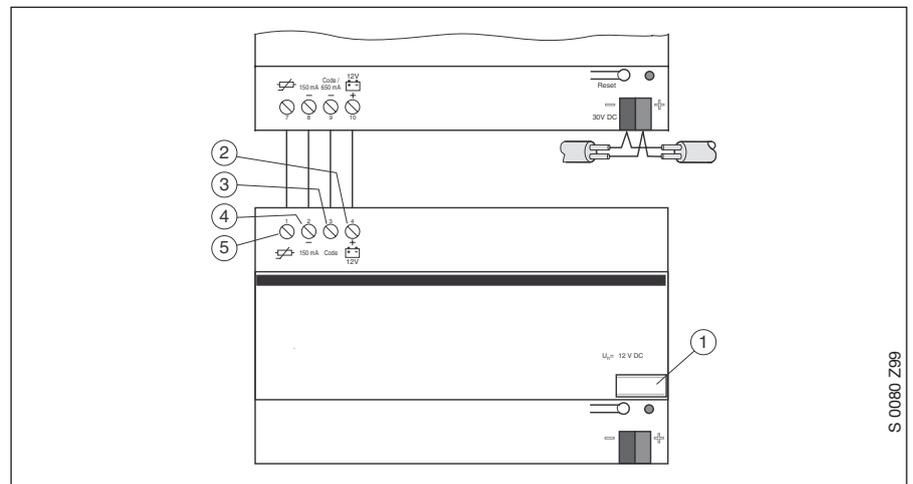
<b>Power supply</b>	- Power supply	May only be connected to the Uninterruptible EIB Power Supply
	- Nominal voltage	12 V DC
	- Battery capacity	1 Ah
	- Charging current	150 mA
	- Charging time	max. 10 h
	- Mains failure back-up time	min. 10 minutes (dependent on bus load; the back-up time can be reduced due to aging of the battery module)
<b>Safety</b>	- Temperature sensor	Integrated
	- Fuse	Self-healing (integrated)
<b>Operating and display elements</b>	- None	
<b>Connections</b>	- Power supply	2 screw terminals
	- Temperature sensor	2 screw terminals
		Cable cross-section: multi-core 0.2 – 2.5 mm <sup>2</sup> single-core 0.2 – 4.0 mm <sup>2</sup>
<b>Type of protection</b>	- IP 20, EN 60 529	
<b>Ambient temperature range</b>	- Operation	+ 5 °C ... + 45 °C
	- Storage	- 25 °C ... + 20 °C
	- Transport	- 25 °C ... + 50 °C
<b>Design</b>	- Modular installation device, pro <i>M</i>	
<b>Housing, colour</b>	- Plastic housing, grey	
<b>Mounting</b>	- On 35 mm mounting rail, DIN EN 60 715	
<b>Dimensions</b>	- 90 x 144 x 64 mm (H x W x D)	
<b>Mounting depth/width</b>	- 68 mm/8 modules at 18 mm	
<b>Weight</b>	- 0.72 kg	
<b>CE norm</b>	- In accordance with the EMC guideline and the low voltage guideline	

Dimension drawing



SK 0034 Z02

Wiring diagram



S 0080 Z99

- 1 Label Carrier
- 2 Battery connection “+”
- 3 Code (temperature sensor “-”)
- 4 Battery “-” 150 mA
- 5 Connection for temperature sensor

Planning and application

Device implementation

The following guidelines should be observed when using the Battery Module AM/S 12.1:

1. The Battery Module may only be connected to the Uninterruptible EIB Power Supply.
2. The Battery Module may only be installed on a horizontal mounting rail (35 mm, EN 50 022) in a wall-mounted distribution board.
3. The Battery Module may not be connected in series or in parallel to other Battery Modules or other sealed lead acid batteries.
4. In the supplied state, the Battery Module is charged or partially charged. The Battery Module must not be stored in a discharged state.

If the Battery Module is stored for longer periods without connection to the Uninterruptible EIB Power Supply, it must be fully charged at least every 6 months.

The Battery Module can be stored for max. 2 years at a storage temperature of 20 °C.

5. Once the Battery Module has been discharged during normal operation, it must be recharged as soon as possible.
6. Due to the life span of the sealed lead acid battery, it is advisable to replace the Battery Module with a new device approx. every four years. Used Battery Modules can be returned to your EIB representative for disposal.