



The uninterruptible power supply unit supplies a bus line when there is a mains failure. Connection is made on the 29 V DC output of the power supply unit with integrated choke.

The bus line is supplied in the event of a mains failure and the batteries are also recharged via this connection.

The device switches itself off if there is a short circuit or overload and when the batteries are fully discharged.

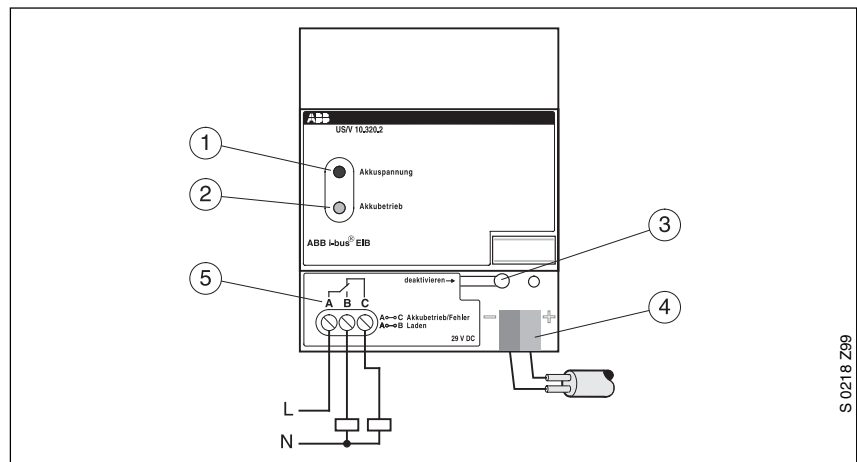
If the batteries are fully discharged, the recharging time lasts a minimum of 16 hours.

Normal operation/mains failure information is available via the floating relay output.

Technical data

Power supply	- Nominal voltage	29 V DC +/-1 V
	- Power consumption	2.3 W for loading 0.6 W for standby
Outputs	- Nominal voltage	29 V DC
	- Nominal current	320 mA
	- Stored energy time after mains failure	≥ 10 min. for nominal current
	- Stored energy time is maintained	> 4 years at a temperature of 20 °C > 2 years at a temperature of 30 °C The stored energy time is reduced for higher ambient temperatures and longer operating periods.
	- Recharge time after full discharge	16 h
	- Back-up battery	Lead-acid battery
Display elements	- Green LED	Battery voltage
	- Yellow LED	Battery operation
	- Push button	Deactivation of the device
Connections	- Power supply	Connecting terminal, white/yellow
	- Relay contact	3 screw terminals Wire range 0.5 ... 1.5 mm ²
Type of protection	- IP 20, EN 60 529	
Ambient temperature range	- Operation	- 5 °C ... 45 °C
	- Storage	-25 °C ... 55 °C
	- Transport	-25 °C ... 70 °C
Design	- Modular installation device, proM	
Housing, colour	- Plastic housing, grey	
Mounting	- on 35 mm mounting rail, DIN EN 50022	
Dimensions	- 90 x 72 x 64 mm (H x W x D)	
Mounting depth/width	- 68 mm / 4 modules at 18 mm	
Weight	- 0.3 kg	
CE norm	- in accordance with the EMC guideline and the low voltage guideline	

Wiring diagram



- 1 Green LED for battery voltage
- 2 Yellow LED for battery operation
- 3 Push button for deactivating the device

- 4 Power supply
- 5 Relay contact

Note

When using a line for the uninterruptible power supply, the 640 mA power supply of this line may be operated with a maximum bus load of 320 mA.

The uninterruptible power supply unit is supplied in a deactivated state (all the LEDs are dark). It activates itself once the system voltage of 29 V DC has been correctly applied.

If there is no load or there is an underflow in the internal battery voltage, the device switches itself off automatically.

In order to prevent the charged uninterruptible power supply unit from being discharged for example during transit, it is recommended that the device is deactivated.

In order to deactivate the device, it must first be isolated from the 29 V DC system voltage. The "Deactivate" button is then pressed and held down until the green LED is off.