EIB / KNX Power Supply, 640 mA, MDRC
SV/S 30.640.5, GH Q631 0048 R0111

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SK 0036 B 02

The EIB / KNX Power Supply produces and monitors the EIB / KNX system voltage. The bus line is decoupled from the power supply with the integrated choke.

The power supply is connected to the bus line with a bus connection terminal. A reset is triggered by pressing the reset push button and lasts for 20 seconds (regardless of the duration of the push button action). The bus line is disconnected from the power supply and the bus devices connected to this bus line are returned to their initial state.

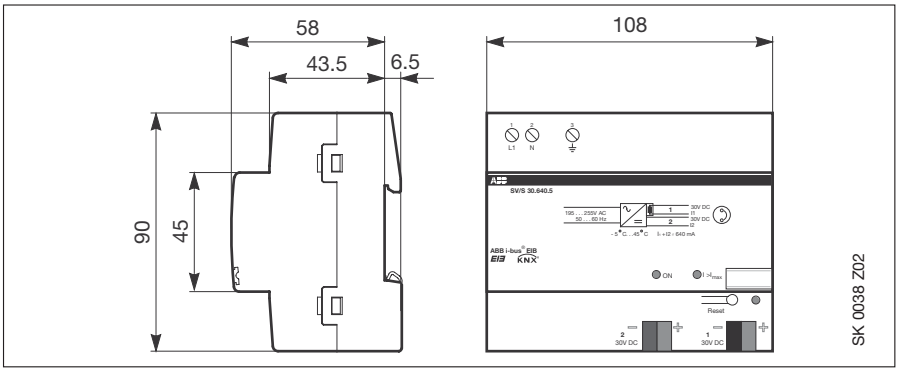
If the line should be disconnected for a longer period, the bus connection terminal must be removed from the power supply.

A 30 V DC auxiliary voltage is made available via an additional connection terminal. This voltage can be used to supply a further bus line (in connection with a separate choke). The 30 V DC auxiliary voltage may not be used for other purposes.

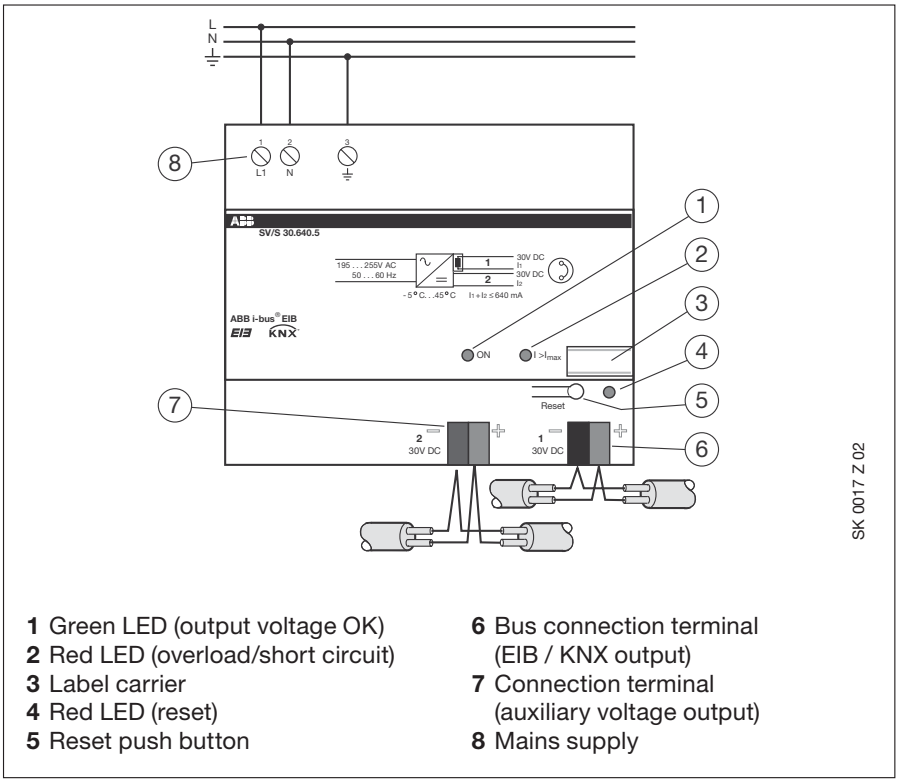
Technical data

Power supply	– Power supply – Power consumption – Power loss	230 V AC +10/–15%, 45 ... 65 Hz < 45 VA < 6 W
Outputs	– EIB / KNX output – EIB / KNX nominal voltage – Auxiliary voltage output – Auxiliary voltage – Nominal current (total of EIB / KNX and auxiliary voltage output) – Sustained short-circuit current – Mains failure back-up time	1 line with integrated choke 30 V DC +1/–2 V, SELV 1 (without choke) 30 V DC +/–1 V, SELV 640 mA, short-circuit-proof < 1.5 A 200 ms
Operating and display elements	– Green LED – Red LED – Reset push button – Red LED	"ON": output voltage is OK „$I>I_{max}$": overload or short circuit Reset at the EIB / KNX output (starts when the push button is pressed and lasts 20 s) Reset at the EIB / KNX output
Connections	– Power supply – EIB / KNX output – Auxiliary voltage output	3 srew terminals Cable cross-section: multi-core 0.2 – 2.5 mm^2 single-core 0.2 – 4.0 mm^2 Bus connection terminal (black/red) Connection terminal (yellow/grey)
Type of protection	– IP 20, EN 60 529	
Ambient temperature range	– Operation – Storage – Transport	– 5 °C ... + 45 °C – 25 °C ... + 55 °C – 25 °C ... + 70 °C
Design	– Modular installation device, pro*M*	
Housing, colour	– Plastic housing, grey	
Mounting	– On 35 mm mounting rail, DIN EN 60 715	
Dimensions	– 90 x 108 x 64.5 mm (H x W x D)	
Mounting depth/width	– 68 mm/ 6 modules at 18 mm	
Weight	– 0.35 kg	
Certification	– EIB / KNX-certified	
CE norm	– In accordance with the EMC guideline and the low voltage guideline	

Dimension drawing



Device connection



1 Green LED (output voltage OK)
2 Red LED (overload/short circuit)
3 Label carrier
4 Red LED (reset)
5 Reset push button
6 Bus connection terminal (EIB / KNX output)
7 Connection terminal (auxiliary voltage output)
8 Mains supply

Installation and commissioning

Switch on the mains voltage once the device has been correctly installed.

The green “ON” LED lights up.
All the other LEDs are switched off.
The device is functioning correctly.