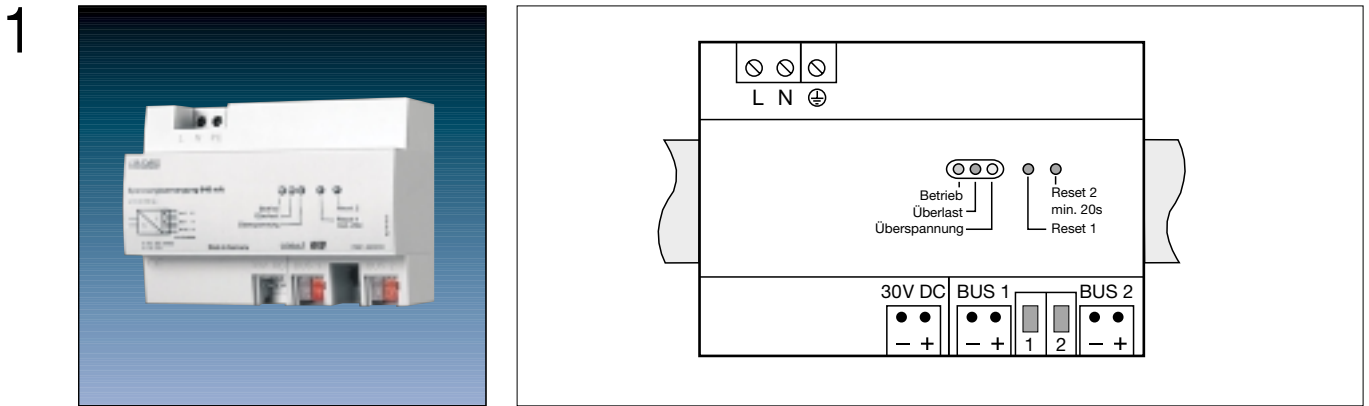


# System Devices

## Power Supply



2

	Ref.-No.
<b>KNX power supply 640 mA</b>	<b>2002 REG</b>
ETS-product family:	System components
Product type:	Power supply
Series embodiment (SE)-device (7 units)	

3 The power supply 640 mA produces and controls the system power for two or three bus lines for an KNX system. The devices can be connected to two independent bus lines via the terminal BUS 1 and BUS 2, without an additional choke. Furthermore, the power supply offers a 30 V DC output to supply a further bus line (i.e. main line). For this an additional choke is required. Alternatively, that output can be used as a power supply for any further low voltage equipment. The connection of the bus by a bus terminal on the device does not require any data rail. According to the KNX regulations it is possible to connect the two outputs in parallel, when there is a minimum distance of 200 m between the bus terminals. The distribution of the load (KNX devices) is flexible on all outputs, but the rated current of 640 mA is the total limit. There are two reset switches on the device to short-circuit both bus lines separately. The operation time for a reset should be at least 20 sec.

Five LED's are indicating the different operation status:

LED-indication:	1st red LED:	short-circuit or overload
	green LED:	normal operation
	yellow LED:	over voltage, when bus voltage > 31 V DC
	2nd red LED:	reset 1 for bus line 1
	3rd red LED:	reset 2 for bus line 2

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# 4

**Technical data:****Input supplying****Voltage:**

161 V – 264 V AC, 50-60 Hz  
Operation with 2 lines of 110 V mains possible !  
176 V – 270 V DC (for emergency power supply)

**Power consumption:**

< 5 W under normal operation

**Connection:**

screw terminals            0.2 – 4 qmm single wire  
   2 x 0.2 – 2.5 qmm single wire

**Output****Number**

3  
Bus terminal BUS 1

**Rated voltage:**

28 V – 31 V DC, SELV

**Connection:**

KNX connection block  
Bus terminal BUS 2

**Rated voltage:**

28 V – 31 V DC, SELV

**Connection:**

KNX connection block  
Bus terminal 30 V DC

**Rated voltage:**

28 V – 31 V DC, SELV

**Connection:**

KNX connection block

**Rated current:**

max. 640 mA (BUS 1 + BUS 2 + 30 V DC)  
short-circuit protection

**Protection:**

IP 20

**Operation temp.:**

-5°C ... +45°C

**Storage temp.:**

-25°C ... +55°C / +70°C

**Mounting:**

on DIN rail 35 x 7.5