



2016

KNX Power Supply Manual



Zhuhai Sation Technology Co.,Ltd
2016.1.1

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Notice

1. Please carefully read this manual before using the product
2. This product is used in indoor environment and installed in electrical control box
3. Please install this product in a dry and ventilated place
4. Before power on, please confirm the input voltage according to the manual; after power on, please confirm the normal output voltage before connecting to the control bus
5. Please make sure the secure shell is in good condition, if the shell is damaged, please stop using to avoid accident
6. The power lead and ground lead must meet the requirement of Electrical Installation Standard
7. Only used indoor, model number need to be changed for outdoor use
8. This product is NOT a toy, please make sure it is out of childrens' touch
9. Only be suitable for EIB/KNX system bus
10. Others:

The below sign indicates this product can't be dealt as ordinary family rubbish,in

order to avoid the possible environment and human health harm caused by the

electrical waste, this product must follow recovery processing. Please contact the

local recycling department after this product is scrapped, to make sure it can go as

the right waste processing procedure.



1. Overview

EIB/KNX power supply produces and monitors 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 22 seconds (regardless of the duration of the push button action). The bus line disconnected from the power supply and the 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 power supply.

A 30V 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).

2. Technical data

Power supply: Operating voltage: 195V ~255 Vac, 47~63Hz

Power loss: <3 W

Efficiency: 75%

Output: EIB/KNX output (PSU): 1 line with integrated choke

EIB/KNX nominal voltage: 30 V DC +1/-2 V

SELV Auxiliary voltage output: 1 (without choke)

Auxiliary voltage: 30 V DC +1/-1 V, SELV

EIB/KNX nominal current:

(Total of EIB/KNX and auxiliary voltage output) 640 mA, short-circuit-proof

Sustained short-circuit current: < 1.3 A

Mains failure back-up time: >200ms

Operating/Display:

Green LED —ON||: output
voltage is OK

Red LED — $I > I_{max}$ ||: overload or short
circuit

Reset push button: reset at the EIB / KNX output (starts
when the push button is pressed and
lasts 22 seconds);

Red LED: Reset at the EIB/KNX output

Connection: power supply: 2-screw terminals;

Cable cross-section: single-core 0.2—
4.0mm²

Multicore 0.2—
2.5mm²

EIB/KNX output: Bus connection terminal (black/red)

Auxiliary voltage output: connection terminal (yellow/gray)

IP Grade: IP 20, EN 60529

Ambient temperature range:

Operation: -5 °C ~ + 45 °C

Storage: - 25 °C ~ + 55 °C

Transport: - 25 °C ~ + 70 °C

Housing & Color: Plastic, Gray

Mounting: Simple assembly on a 35 mm DIN rail accordance with EN 60715

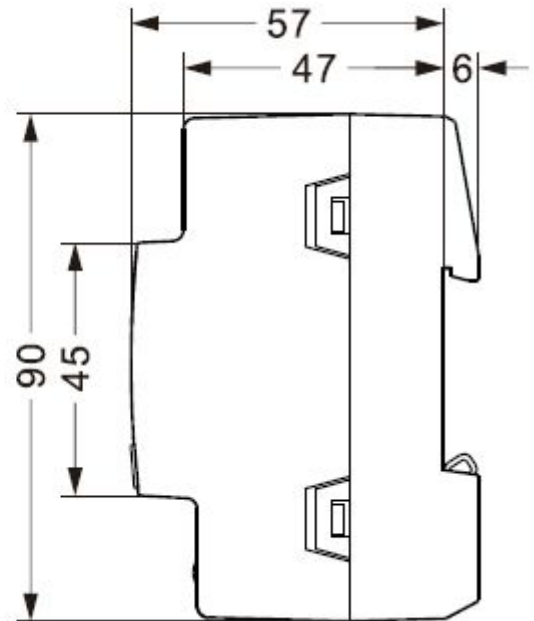
Dimension(H×W×D): 90×144×63mm (6 modules wide)

Weight: 0.4kg

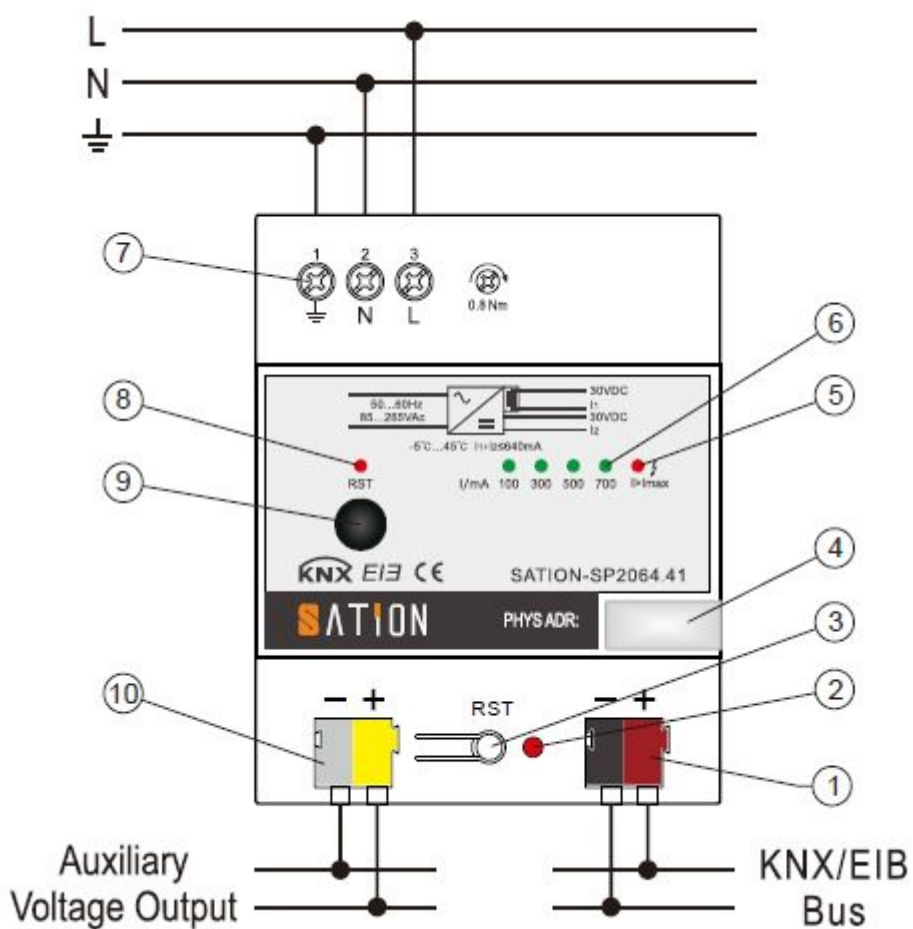
CE mark: In accordance with the EMC guideline and the low voltage guideline

3. Dimension drawing and Circuit Diagram

3.1 Dimension drawing:



3.2 Circuit diagram:



- | | |
|---|----------------------|
| 1. Bus-connect | 2. Reset button LED |
| 3. Reset button | 4. Address tag |
| 5. Over current LED (turn on when over current or short-circuiting) | |
| 6. Bus current LED (1 × 4) | 7. AC input terminal |
| 8. Power reset LED | 9. Reset button |
| 10. accessory power supply output socket | |

4. Contact Us

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