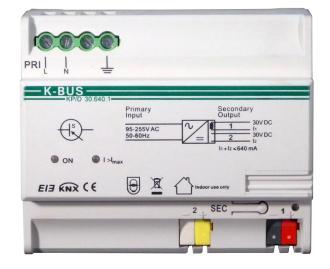
## **Power Supply**

## K-BUS<sup>®</sup>



KP/D30.640.1

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).

## **Technical Data**



| Power supply  | Input voltage:   | 95V ~255 V AC, 47~63Hz                     |
|---------------|--|--|
|               | Power loss:  | <6 W                                       |
|               | Efficiency:  | 75%  |
| Output        | EIB/KNX output (DPSU)  | 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 and | Green LED "ON"   | output voltage is OK                       |
| display       | Red LED "I>Imax"   | 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                |
| Connections   | power supply   | 2-srew terminals                           |
|               | EIB/KNX output   | Bus connection terminal (black/red)        |
|               | Auxiliary voltage output   | connection terminal (yellow/grey)          |
|               | Cable cross-section  | single-core 0.2—4.0mm <sup>2</sup>         |
|               |  | Multi-core 0.2—2.5mm <sup>2</sup>          |
| Temperature   | Operation  | – 5 °C 45 °C                               |
| range         | Storage  | – 25 °C 55 °C                              |
|               | Transport  | – 25 °C 70 °C                              |
| Mounting      | On 35mm mounting rail  |  |
| Dimensions    | 90 mm×108 mm×70.56mm   |  |
| CE norm       | In accordance with the EMC guideline and the low voltage guideline |  |
| Weight        | 0.2kg  |  |
|               |  |  |

## Normal Working Test:

Switch on the mains voltage once the device has been correctly installed, the green LED "ON", all other LEDs are switched off, the device is functioning correctly.