SINCE2004

SMAJ

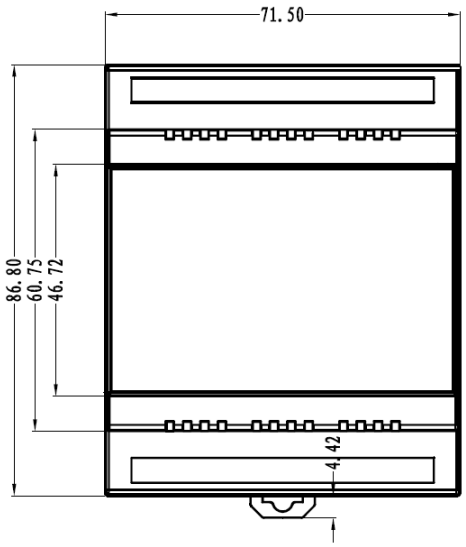
# Technical Sheet

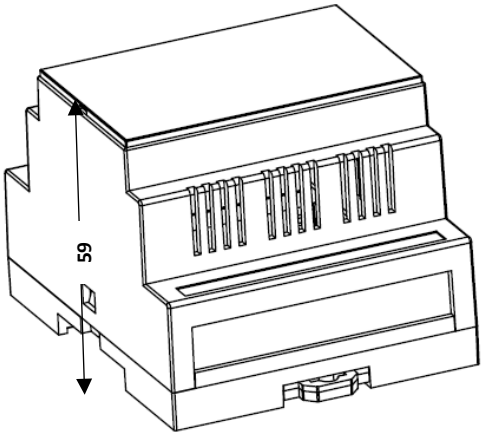
## INTRODUCTION


The EIB/KNX Power Choke supports two input channels which can be switched automatically or manually. It has a bus power supply and an auxiliary voltage. The bus 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 auxiliary voltage is made available via an Additional connection terminal. This voltage can be used to supple a further bus line (in connection with a separate choke).

## DIMENSIONS




| Model | Dimension | Weight |
|---|---|---|
| ECPS-00.640/03.11 | 72×88×59mm | 0.35kg |

## CONNECTION DIAGRAM

① **Reset Button (RESET)**

② **Input States (INPUT)**

**GREEN:** Input voltage is OK (24v < $V_{IN}$ < 30v)

**BLUE:** Input voltage is low ($V_{IN}$ < 24v)

**RED:** Input voltage is high ($V_{IN}$ > 30v)

③ **Output States (OUTPUT)**

**GREEN:** Power is ON

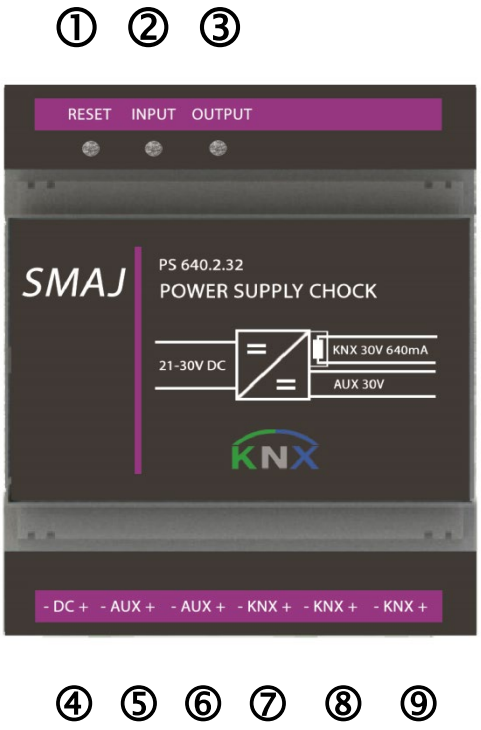
**BLUE:** Reset button is pressed.

**RED:** Overload/short circuit

④ **24-30v DC Input**

⑤,⑥ **Auxiliary 24-30v DC output**

⑦,⑧,⑨ **EIB/KNX output**

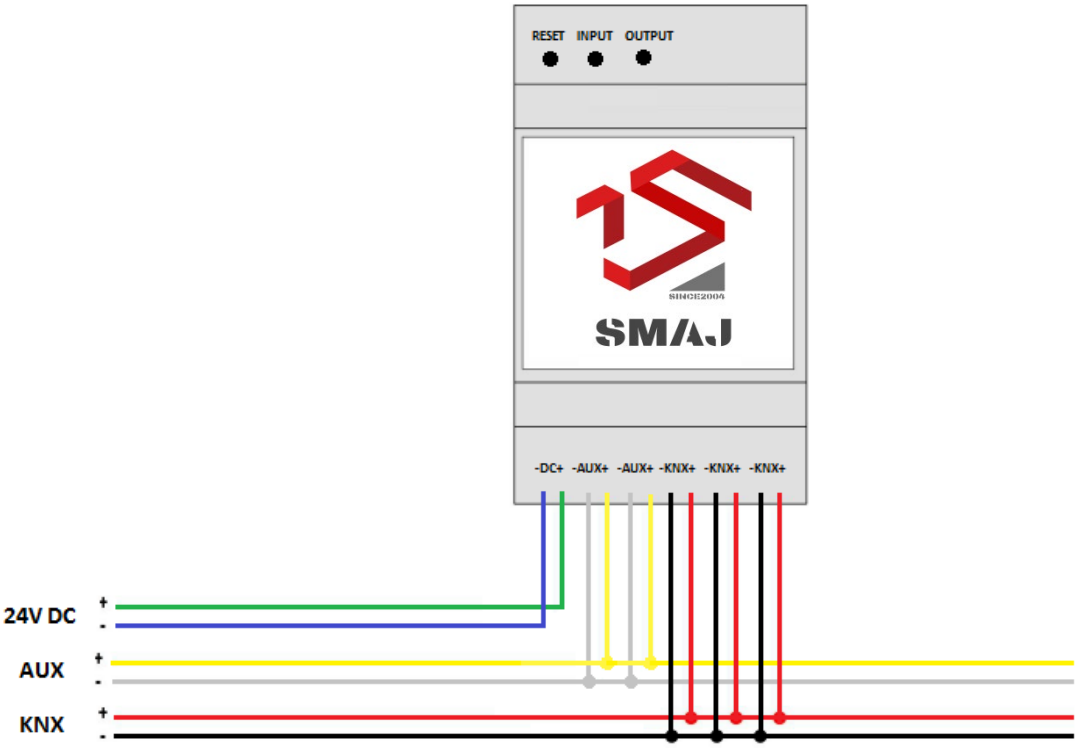


## TECHNICAL PARAMETERS

| | | |
|---|---|---|
| **Input** | Input voltage | 24-30V DC |
| **Output** | EIB/KNX nominal voltage | 24-30V DC (with choke) |
| | Auxiliary voltage | 24-30V DC (without choke) |
| | EIB/KNX nominal current | 640mA, shot-circuit-proof |
| | Sustained short-circuit current | < 1.3A |
| | Mains failure back-up time | 200ms |
| **Connection** | EIB/KNX output | 3pairs Green phoenix terminals |
| | Auxiliary voltage output | 2pairs Green phoenix terminals |
| | Input terminal | 1pair Green phoenix terminals |
| **Operation and display** | Reset Button (RESET) | Bus reset and reset led on |
| | Input States (INPUT) | GREEN: Input voltage is OK (24v < $V_{IN}$ <30v)<br>BLUE: Input voltage is low ($V_{IN}$ < 24v)<br>RED: Input voltage is high ($V_{IN}$ > 30v) |
| | Output States (OUTPUT) | GREEN: Power is ON<br>BLUE: Reset button is pressed.<br>RED: Overload/short circuit |
| **Temperature** | Operation | –5 °C ... + 45 °C |
| | Storage | –25 °C ... + 55 °C |
| | Storage | – 25 °C ... + 70 °C |
| **Mounting** | On 35mm mounting rail | |

## INSTALLATION FIGURE

The device is suitable for installation on the distribution boards with 35mm DIN rail which complies with DIN EN 60715 or a small box in order to facilitate quick installation of the device. Must ensure that the device operation, testing, detecting, maintenance correctly.




## IMPORTANT INFORMATION

Installation and commissioning of the device may only be carried out by trained electricians. The relevant standards, directives, regulations and instructions must be observed when planning and implementing the electrical installation.

- Protect the device against moisture, dirt and damage during transport, storage and operation!
- Do not operate the device outside the specified technical data (e.g. temperature range)!
- The device may only be operated in closed enclosures (e.g. distribution boards).

Should the device become soiled, it may be cleaned with a dry cloth. If this does not suffice, a cloth lightly moistened with soap solution may be used. On no account should caustic agents or solvents be used.