

PRODUCT SPECIFICATIONS



AGNOSYS Series F V3.5 BKN-35-F

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3 General Information



BKN-35-F

The power supply unit “BKN-35-F” serves to supply the bus-ring module. It is equipped with a voltage input of 230VAC and an output of 24VDC, in accordance with the supply voltage of the bus-ring modules.

The power supply unit can be connected to the following modules of the series F V3.5 without using tools via a plug and socket connection:

- BKM-35-S
- BKM-35-F
- BKM-35-F-ST
- IOM-35-S
- IOM-35-F

General Features:

- Connection without using tools via reverse polarity protected plug connection.
- Overload protection
- Power surge protection
- 24VDC output, short-circuit protection
- Supplies up to 126 bus-ring modules

4 Safety Regulations

- The device may only be used for the specified purpose.
- Warning! The device carries live voltage!
- The device may only be installed and put into operation by trained specialists.
- The device may only be opened by the manufacturer. It does not contain any parts which the operator can maintain themselves.
- The device contains electronic components and may not be disposed of in general waste.

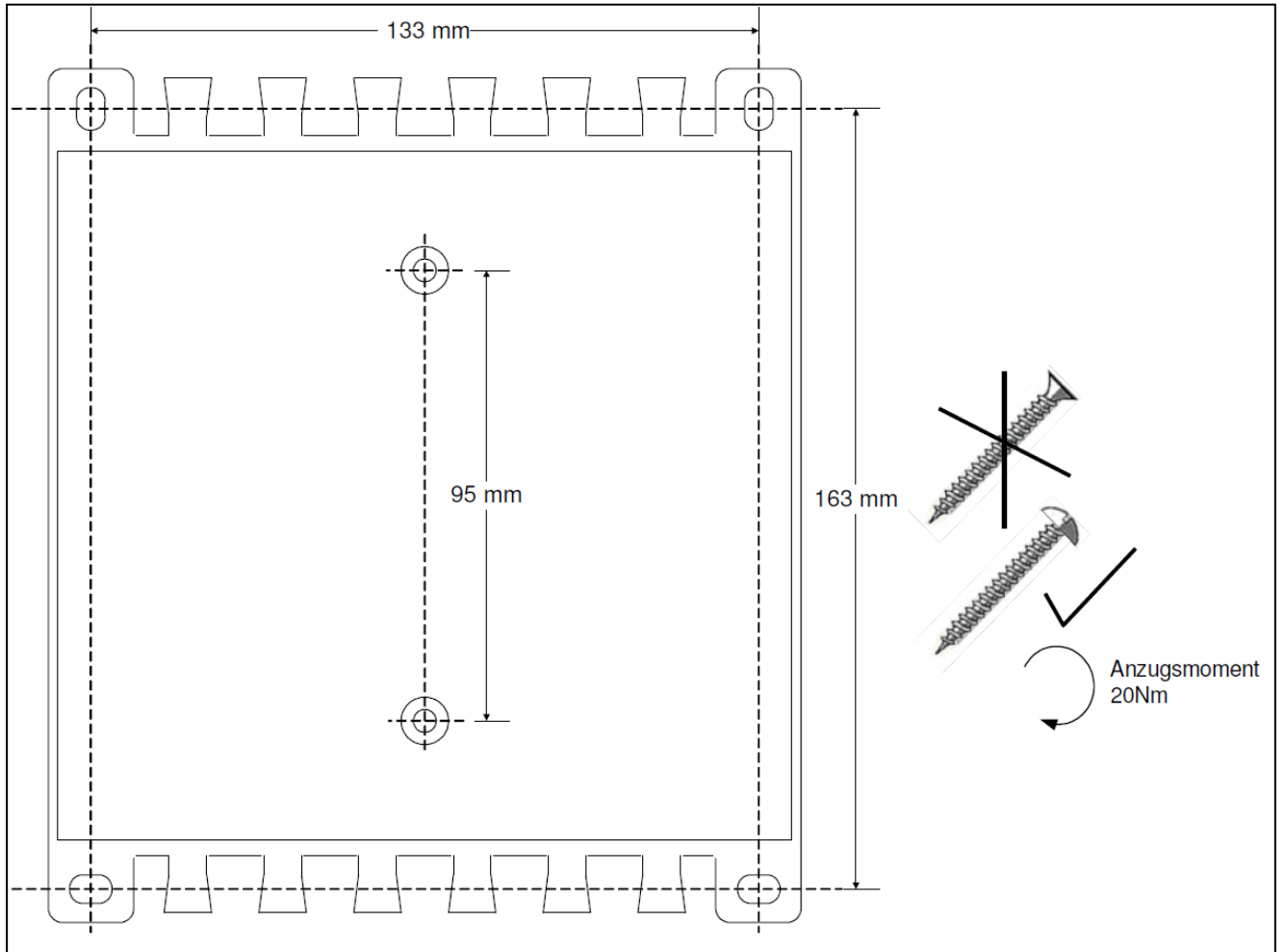
5 Dimensioned Drawing and Mounting Instructions

The power supply unit BKN-35-F can be mounted on any flat surface, either externally with four 5mm round-head screws or internally with two 5mm self-tapping cylinder-head screws (not included with the product).

Due to protection concerns, the module may only be mounted in a dry environment, out of normal human reach (suspended ceilings, engineering/maintenance rooms, vertical ducts, etc.).

The module may not be mounted above or next to significant sources of heat, such as a furnace, in order not to exceed the maximum permissible operating temperature. It should be noted that an increase in temperature can also occur via the surface which the module is mounted on. Warning: the maximum tightening torque of the mounting screws is $\leq 20\text{Nm}$!

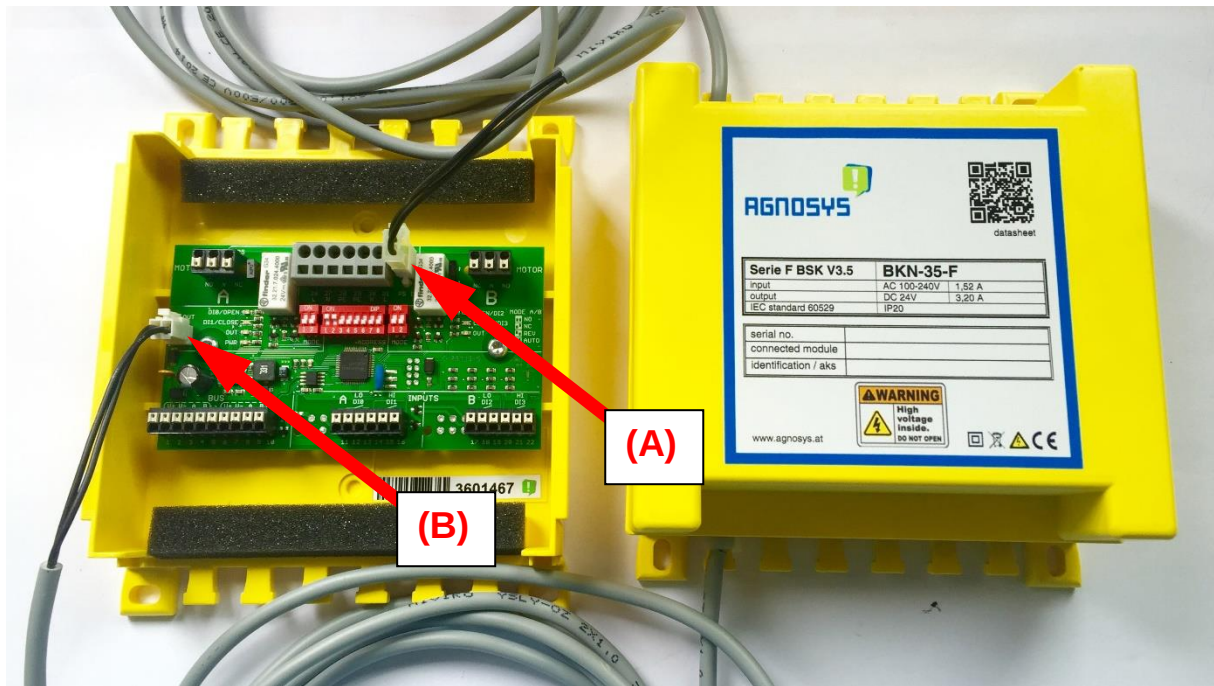
NOTE: When fitting the cover, it should be ensured that it audibly snaps into place on the left as well as on the right side! Otherwise, the long-term shape and stability of the shutter cannot be guaranteed!



BKN-35-F

Tightening torque: 20Nm clockwise

6 Connection



Connection to a BKM-35-F

- (A) Connection of the power supply from the bus-ring module to the power supply unit
- (B) Connection of the bus voltage from the power supply unit to the bus-ring module

WARNING!

The power supply unit BKN-35-F requires that the damper supply at the bus-ring is executed in 230VAC.

7 Technical Specifications

Electrical Data	
Input voltage	230VAC
Current consumption	Max. 1.52A
Output voltage	24VDC
Output current	Max. 3.20A
Output power	76.8W
Efficiency	Typ. 90%
Protection rating	IP20 (EN 60529)
Protection class	II
Environment variables	
Permissible ambient temperature	-30°C - 70°C
Permissible ambient humidity	20 – 90 % RH non-condensing
Measurements (width x height x depth) [mm]	
Housing	158 x 180 x 65
Cable length	1000mm
Weight	
	865g