



SYSTEM200 PCK03.1

Functional Description

SYSTEM200



Title System200 - PCK03.1

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What is the purpose of this document? The following documentation describes

- the specifications of the PCK 03 unit
- the key functions
- the outside and mounting dimensions

Course of modifications

Document identification of previous and present output	Release Date	Comments
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1 General

1.1 Brief Description

The drawer keyboard is an AT-compatible keyboard with 83 keys and an integrated mouse pointer.

Function and design of the keyboard have been optimized for utilization with the INDRAMAT BTV-20 series. The integrated mouse with the two mouse buttons makes it easy to navigate on graphical user interfaces.



Figure 1-1: PCK03 - drawer keyboard

2 Specifications

2.1 General Specifications

Weight	approximately 2,6 kg
Maximum	Operation +5°C to +45°C
ambient temperature	Transport -20°C to +60°C
Atm. pressure (operation)	860 to 1060 hPa, 1500m
Keypad	Keyboard mat with 83 keys
Connector	DIN PS/2 connector with combined assignments of the keyboard and mouse signals; BTV20-compatible
Power Supply	5 V \pm 5%
Current consumption	approximately 300mA
Front panel surface	Aluminum varnished
Color	RAL 7035 light gray

3 Keypad and Mouse

3.1 Assignments and Functions of the Key Front



Figure 3-1: PCK3 keyboard mat

The keyboard mat of the PCK3 unit features all the functions that are available with conventional PC keyboards. To provide the full functional range of a conventional keyboard, the small size of this unit requires keys to have multiple assignments.

Figures and characters that are shown in blue can be reached by simultaneously pressing the „FN“ key. Due to the lack of space, these keys shall replace the numeric keypad that can usually be found at the right-hand side of a keypad. Function keys (F11 and F12) and the „WINDOWS key“ also have blue labels.

The integrated mouse pointer is used for navigating on the BTV20 screen. The round pad in the center moves the mouse pointer. The mouse buttons are located to the right and the left of the pad.

4 Connections

4.1 Connector Pin Assignments

The keyboard connector is a DIN PS/2 connector with combined assignments of the keyboard and the mouse signals.

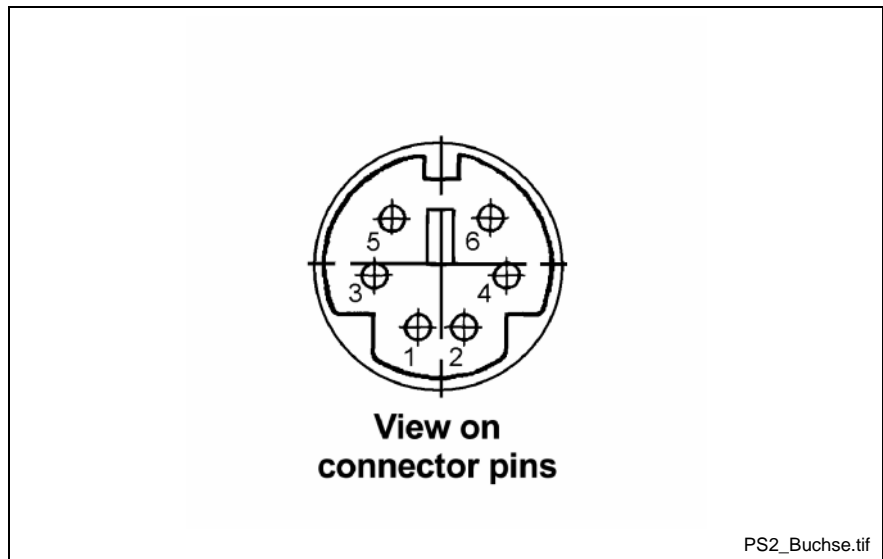


Figure 4-1: Miniature DIN / PS/2 keyboard connector

The keyboard connector has the following pin assignments:

Pin no.	Description
1	Keyboard data
2	Mouse data
3	GND
4	VCC + 5 V
5	Keyboard clock
6	Mouse clock

Figure 4-2: Connector pin assignments of the PCK3 keyboard connector

4.2 Connection at the BTV20 Unit

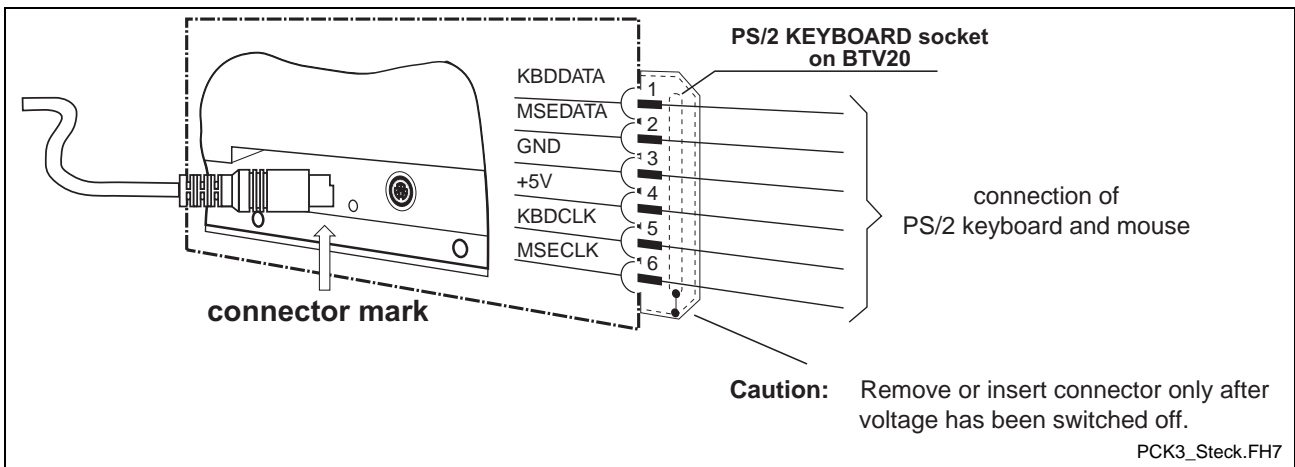


Figure 4-3: Connection at the BTV20 unit

To connect the PCK3 drawer keyboard to the BTV20 unit, you must connect the 6-way keyboard connector with the PS/2 socket at the rear of the BTV20 unit.

The connection at the controller is labeled „PS/KEYBOARD-BUCHSE“.

Ensure that the power has been switched off when the PCK3 unit is connected or disconnected.

5 Dimensions

5.1 Enclosure Dimensions

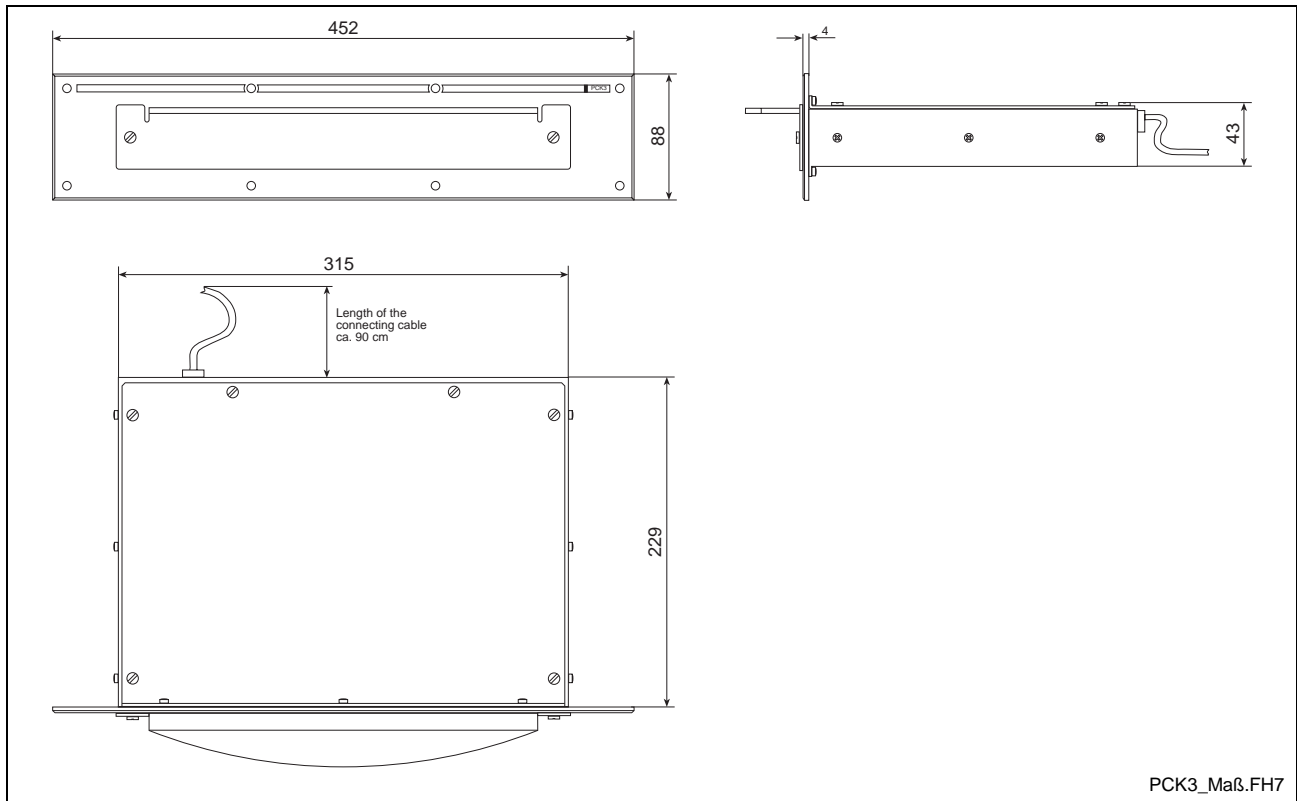


Figure 5-1: Enclosure dimensions

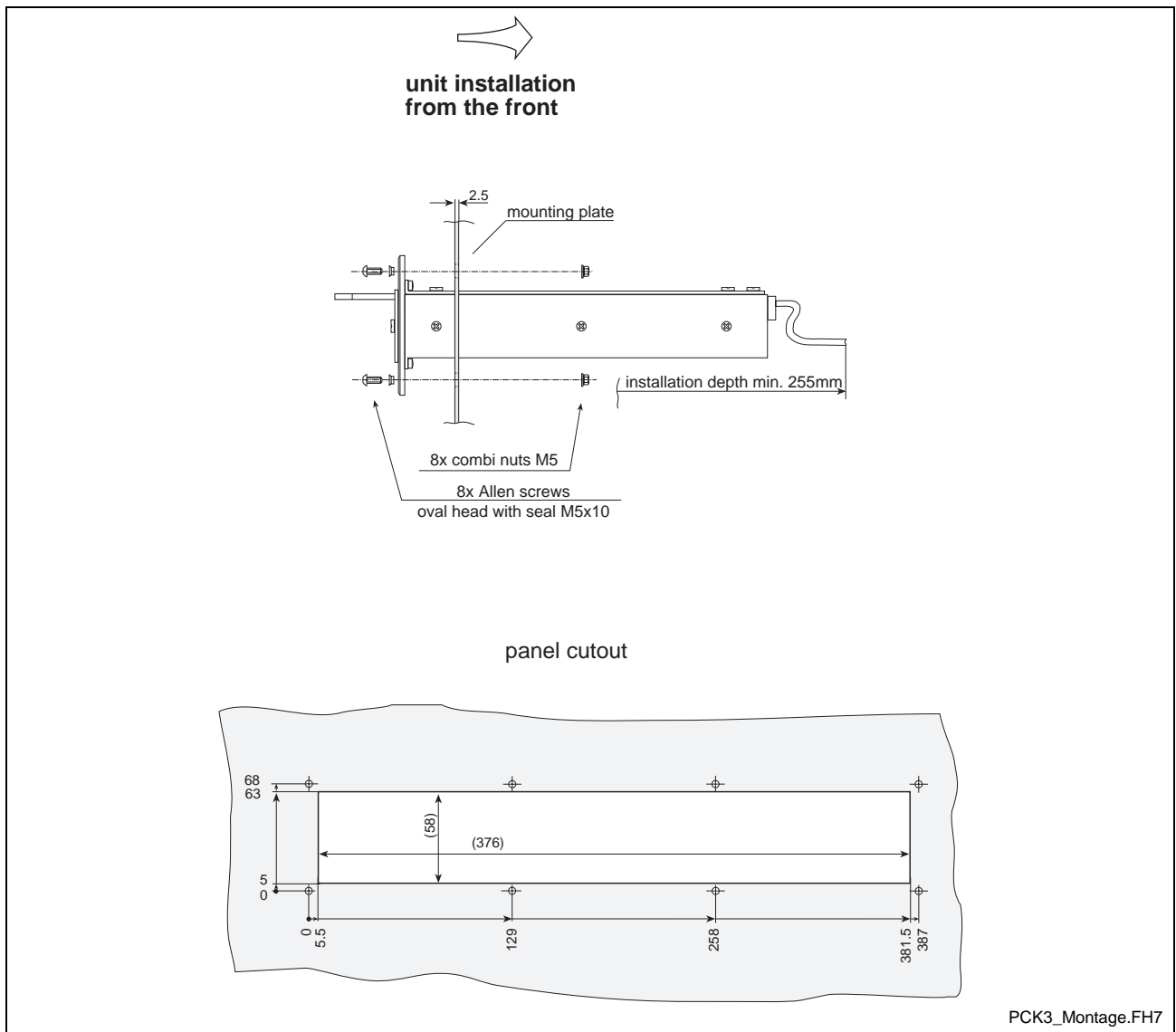


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