Operator's Manual

Pause Adapter PS7

Made in Germany

Pause Adapter	PS7

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Editor

Regarding questions or comments please contact cab Produkttechnik GmbH & Co. KG.

Topicality

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1 Introduction

1.1 Instructions

Important information and instructions are designated as follows:

Attention!
Draws attention to potential risks of property damage or loss of quality.

Note!
Advices to make work routine easier or on important steps to be carried out.

▶ Handling instructions

▷ Reference to chapter, position, picture number or document.

∗ Option (accessories, peripherals, extras).

`Time` Viewed in the display / monitor.

1.2 Intended Use

- The device is an option only for cab A+ label printer. Any other use or use going beyond this shall be regarded as improper use. The manufacturer/ supplier shall not be liable for damage resulting from unauthorized use; the user shall bear the risk alone.
- Perform only those actions described in this operating manual.
  Work going beyond this may only be performed by trained personnel or service technicians.

Note!
The complete documentation can also currently be found in the Internet.

2 Product Description

The pause adapter PS7 is configured for communication between an external signal generator and a printer to pause a print job via an external signal. After deactivation of the pause signal the print job will be continued.

The adapter is connected to the printer via the SUB-D 9 external interface of the printer.

3 Mounting

Note!
Keep the original packaging for later transports.

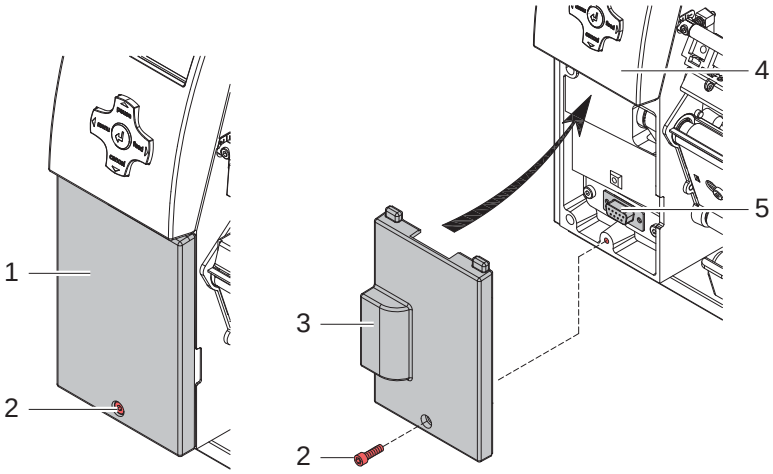

Figure 1 Mounting the pause adapter

- ▶ Switch off the printer.
- ▶ Loosen screw (2).
- ▶ Remove cover (1).
- ▶ Push the guides of the pause adapter (3) under the control panel (4).
- ▶ Press the pause adapter against the printer. Ensure that the SUB-D9 connector of the module will be connected to the peripheral interface (5) of the printer.
- ▶ Secure the pause adapter with screw (2).

Attention!

▶ **To use the pause adapter on the printer disable all special modes like peeling-off and cutting.**

▶ Send a print job.
The labels of the print job will be printed one after the other.

▶ Activate the signal **XPSE**.
After completion of the current label the print job will be paused.

▶ Deactivate the signal **XPSE**.
The print job will be continued.

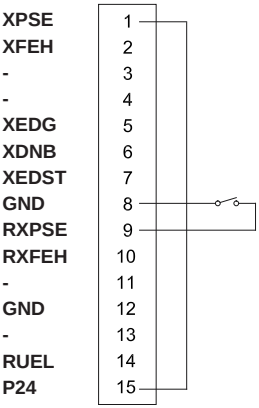

Figure 2 External minimum circuit at the pause adapter PS7

5.1 Pin Assignment

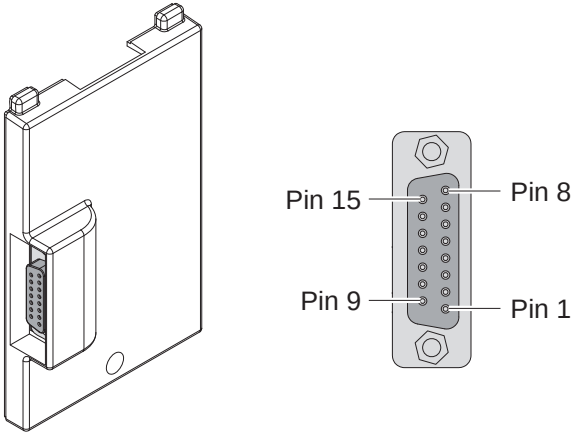

Figure 3 Peripheral interface PS7

Pin	Signal	Direction	Standard Function
1	XPSE	Input	Pause
2	XFEH	Output	External error
3	-	-	Do not use !
4	-	-	Do not use !
5	XEDG	Output	No print job available
6	XDNB	Output	Printer not ready
7	XEDST	Output	Print has been started
8	GND		Ground (0V)
9	RXPSE	(Input)	Pause (reverse line)
10	RXFEH	(Input)	External error (reverse line)
11	-	-	Do not use !
12	GND		Ground (0V)
13	-	-	Do not use !
14	RUEL	Output	Reverse line (for all outputs)
15	24P	(Output)	Operating voltage +24V, Si T 100mA

Table 1 Pin-Belegung Peripherie-Schnittstelle

5.2 Signals

Pin	Signal	Description	Activation / Active State
1	XPSE 	Pause Interruption of the print job after the current label	+24 V between Pin 1 and Pin 9
2	XFEH 	External error Error message from the external control. The print job will be stopped, the display shows the error message "External error". Confirm the error correction by pressing the **pause** key. If the error occurred during label printing, the print of the label will be repeated. By pressing the **cancel** key the print job will be canceled and the printer will be reset to its initial state.	+24 V between Pin 2 and Pin 10
3	-	Do not use!	
4	-	Do not use!	
5	XEDG 	No print job available	Contact between Pin 5 and Pin 14 is open
6	XDNB 	Printer not ready An error occurred in the printer. The print job will be stopped the error type (Out of ribbon, out of paper, no label found...) will be shown on the display. After error correction press the **feed** key to synchronize the paper feed. Press the **pause** key to continue the print job.	Contact between Pin 6 and Pin 14 is open
7	XEDST 	Print has been started The print start will be indicated with 20 ms pulse.	Contact between Pin 7 and Pin 14 is open
8	GND 	Ground (0 V)	
9	RXPSE 	Pause (reverse line)	
10	RXFEH 	External error (reverse line)	
11	-	Do not use!	
12	GND 	Ground (0 V)	
13	-	Do not use!	
14	RUEL 	Reverse line (for all outputs)	

Pin	Signal	Description	Activation / Active State
15	P24	Operating voltage +24 V, Si T 100 mA **ATTENTION ! Output !!!** Do not connect any external voltage to Pin 15	

Table 2 Signals of peripheral interface PS7

5.3 Internal Circuit of the Inputs

The inputs **XPSE** and **XFEH** are designed for an operating voltage of 24 V. For each signal **X(input)** exists a separate reverse line **RX(input)** at the connector.

For that the following signal pairs result:

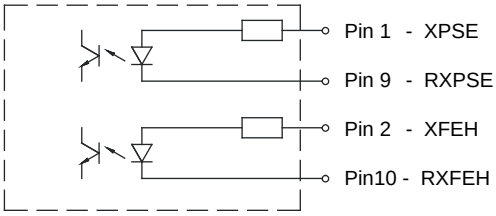

Figure 4 Internal circuit of the inputs

5.4 Internal Circuit of the Outputs

For the outputs solid-state relays are used. The outputs have the common reference potential RUEL (Pin 14).

Switching the outputs is realized by opening or closing a contact between RUEL and the respective output.

U_{max} = 42 V I_{max} = 100 mA

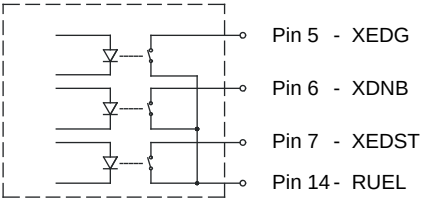

Figure 5 Internal circuit of the outputs

6 EU Conformity Declaration

The pause adapter complies with the relevant fundamental regulations of the EU Rules for Safety and Health:

- Directive 2014/30/EU relating to electromagnetic compatibility
- Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment

EU Declaration of Conformity

▷ https://www.cab.de/media/pushfile.cfm?file=3067