Cut-/Peel-off Adapter

Art.-No. 553 7050

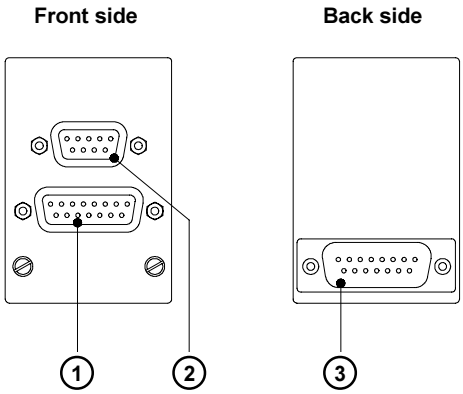
Operator's Manual

Edition 11/00

General

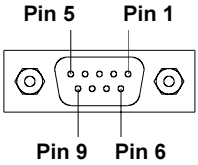
By using the cut/peel-off adapter it is possible, to operate the printers of the **Apollo 1, Apollo 2, Apollo 3** and **A8 series** with cutter assembly or present sensor in a special mode, where the print of one label can be started by an external start signal.
In the peel-off mode, after removing a label from the peel-off position the use of the adapter avoids the immediate print of the next label.
In the cut mode the print job can be divided in single prints.
In both cases, a label will only be printed, if it is required (cut/peel-off on demand).

Connectors



1 - 15-pin SUB-D connector for cutter assembly or present sensor
2 - 9-pin SUB-D connector for an external release switch
3 - 15-pin SUB-D plug to connect the adapter to the peripheral port of the printer

Pin Assignment of the 9-pin SUB-D Connector



Pin 1/2 - Optocoupler inputs. A short impuls of 24V= at the pins (+ at Pin1, - at Pin2) releases the print of one label (external start signal).
The start impuls has to be shorter than the print time of the label. The current is internally limited to 10 mA.
with present sensor : the print is released, if there is no label in the presentation position
with cutter assembly : the print including the following cut is released

Pin 3/4 - Transistor outputs of an optocoupler (Pin3 - collector, Pin4 - emitter). If the adapter is used with the present sensor, the state of the transistor shows the presence of a label in the peel-off position. If there is a label, the transistor is blocked so that no current can flow between the pins.

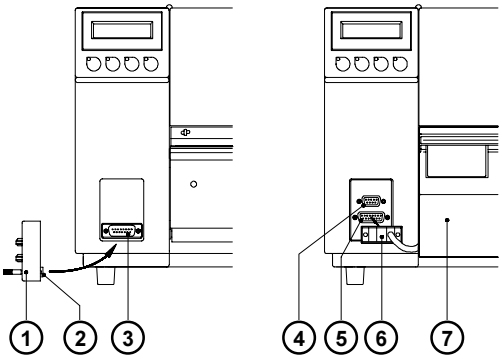
CAUTION !
The current at the pins 3 and 4 has to be limited externally to 10mA. Otherwise the output will be destroyed.

Pin 5/6 - Pin 5 : Internal operating voltage +24V ; Pin 6 : Ground
The operating voltage can be used to generate the external start signal with a switch.
The use of this voltage for other purposes is prohibited.

Pin 7/8/9 - n.c.

Inputs and outputs are designed with optocouplers, i.e. they are potential free in relation to the Apollo. The isolation voltage is 500 V. The permissed voltage at the outputs is limited to 30V.

Installation and Operation



1. Switch OFF the printer.

2. Connect the 15-pin SUB-D plug (**2**) at the back side of the cut/peel-off adapter (**1**) to the peripheral port (3) of the printer.

3. Mount the cutter assembly (**7**) or the present sensor as described in the printers manual. Contact the cable (**6**) to the 15-pin SUB-D connector (**5**) at the front side of the cut/peel-off adapter.

4. Plug the cable of the external release switch to the 9-pin SUB-D connector (**4**).

5. Switch ON the printer.

CAUTION !
Make sure, that the external release switch is open (no voltage at Pin 1 of the 9-pin connector) when the printer is switched ON.

6. Start a print job in the cut or peel-off mode.

7. Release the print of single labels by actuating the external switch.

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