

DAC flex

[Additional Instructions](#)

Setting up modules

IMPORTANT
READ CAREFULLY BEFORE USE
KEEP FOR FUTURE REFERENCE

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1	Assembling the module	3
2	Software settings	6
2.1	Setting up the module	6
2.2	Input and output modes	8
3	Appendix	11

1 Assembling the module



Information

All modules are assembled in the same way. Assembly is illustrated by the example of the I/O module.

NOTICE

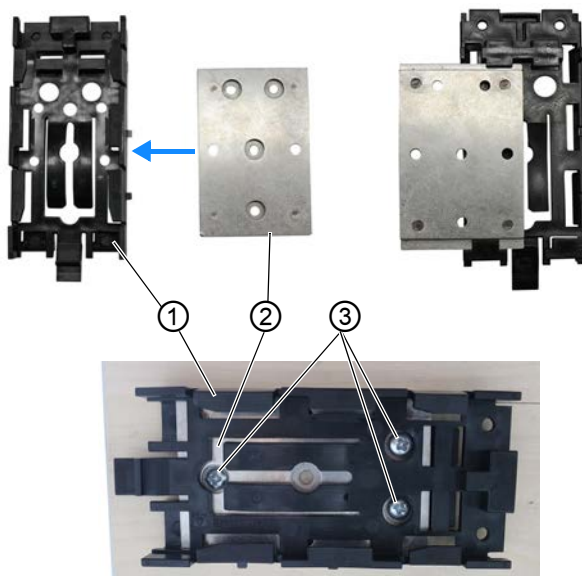
Property damage may occur!

Possible damage to the control by voltage spikes.

Switch off the machine before connecting the I/O module.

NEVER perform hot plugging.

Fig. 1: Assembling the module (1)



(1) - holder

(2) - Plate

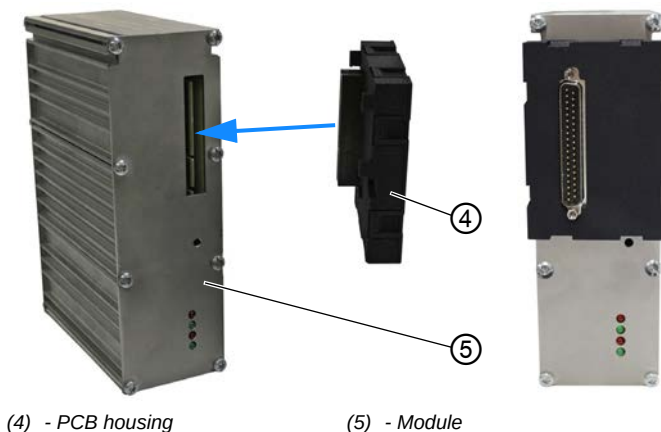
(3) - Screws



To assemble the I/O module:

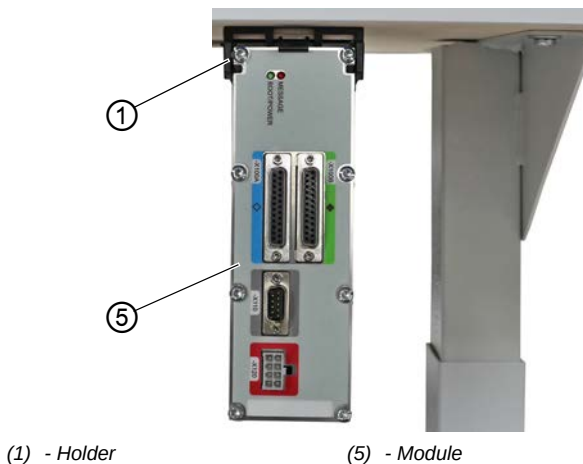
1. Slide the plate (2) into the holder (1).
2. Use screws (3) to screw in the holder (1) at a suitable place under the tabletop.

Fig. 2: Assembling the module (2)



3. Slip the PCB housing (4) onto the module (5).

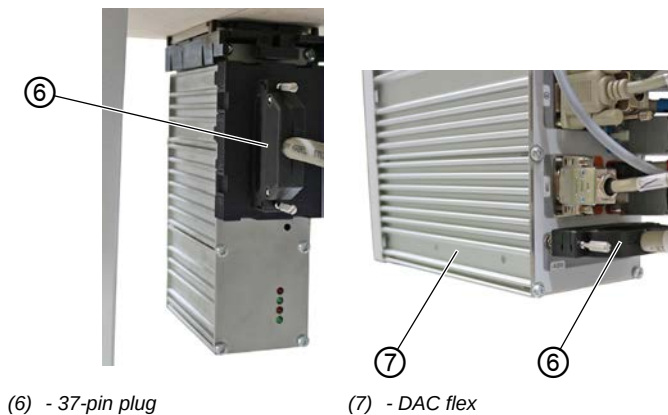
Fig. 3: Assembling the module (3)





4. Slide the module (5) into the holder (1).

Fig. 4: Assembling the module (4)



5. Connect the cable with the 37-pin plug (6) to the DAC flex control (7) (port -X200).

2 Software settings

2.1 Setting up the module

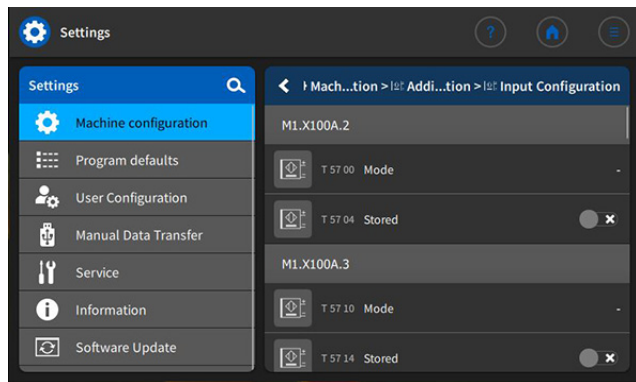


To set up the module:

1. Log in as a technician.
User: technician
Password: 25483
2. Open the menu  *Navigation* >  *Settings* >  *Machine Configuration* >  *Additional I/O Configuration* and press the  **Input Configuration** button.

↳ The following display appears:

Fig. 5: Setting up the module (1)

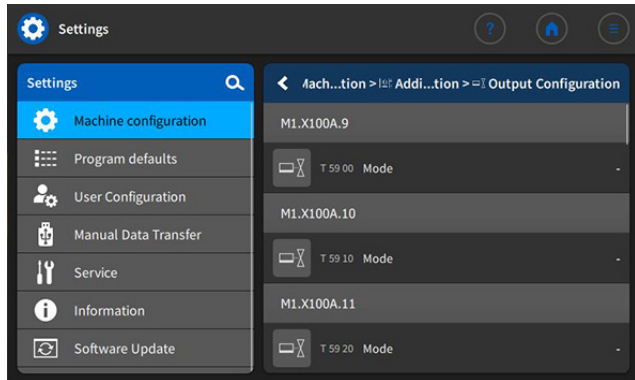


3. Go to input *M1.X100A.2*, parameter *t 57 00* and select the desired mode ( p. 8).
4. Go to input *M1.X100A.2*, parameter *t 57 04* and select if the function will be switched stored or not stored.

5. Open the menu  *Machine Configuration* >  *Additional I/O Configuration* and press the  **Output Configuration** button.

↳ The following display appears:

Fig. 6: Setting up the module (2)



6. Select the desired mode in the output you require ( p. 8).



Information

You can test the inputs and outputs in the menu

 *Navigation* >  *Settings* >  *Service* >  *Multi test*.

2.2 Input and output modes

Input modes	Output modes
Threading	Footlifting
Backtack suppression/activation	Thread Tension
Manual backtack	Thread Trimmer
Half stitch	Needle cooling
Whole stitch	NSB knife
Indicator position	NSB block
Needle heigh	Pos. 1
Needle cooling	Pos. 2
Additional thread tension	Clean thread monitor
Stitch length switching	Suppression backtack LED
Seam center guide	2nd stitch length LED
Light barrier	2nd thread tension LED
Operation lock active when contact open	2nd foot stroke LED
Stroke quick-adjustment	Center guide LED
Switch to next segment	Raise/lower center guide
2nd edge guide position (gap)	Motor running
Foot lighten position	2nd edge guide pos LED
Additional fullness	NSB exhaust
Tape tension	Puller LED
Puller	Pressure Puller
Operation lock active when contact closed	Raise/lower puller
Operation lock in seam	Backtacking in process
Trigger program selection	In seam
Program selection Bit B0	Segment Output 01

Input modes	Output modes
Program selection Bit B1	Segment Output 02
Program selection Bit B2	Segment Output 03
Program selection Bit B3	Segment Output 04
Program selection Bit B4	Segment Output 05
Program selection Bit B5	Segment Output 06
Program selection Bit B6	Segment Output 07
Program selection Bit B7	Segment Output 08
Program selection Bit B8	Segment Output 09
Program selection Bit B9	Segment Output 10
Short stitch	Segment Output 11
2nd edge guide position (height)	Segment Output 12
2nd edge guide position (gag and height)	Segment Output 13
Db3000	Segment Output 14
Db2000	Segment Output 15
Function module 1	Segment Output 16
Function module 2	Manual backtack
Function module 3	Stitch done
Function module 4	Motor blockage (Operation lock)
Function module 5	Short stitch
Function module 6	Edge guide
Function module 7	Machine head light
Function module 8	Function modul output 1
Sewing light	Function modul output 2
Machine head light	Function modul output 3
Lift foot	Function modul output 4

Input modes	Output modes
2nd pos foot lifted	Function modul output 5
	Function modul output 6
	Function modul output 7
	Function modul output 8
	2nd height edge guide
	Clean SSD

3 Appendix

Fig. 7: Wiring diagram

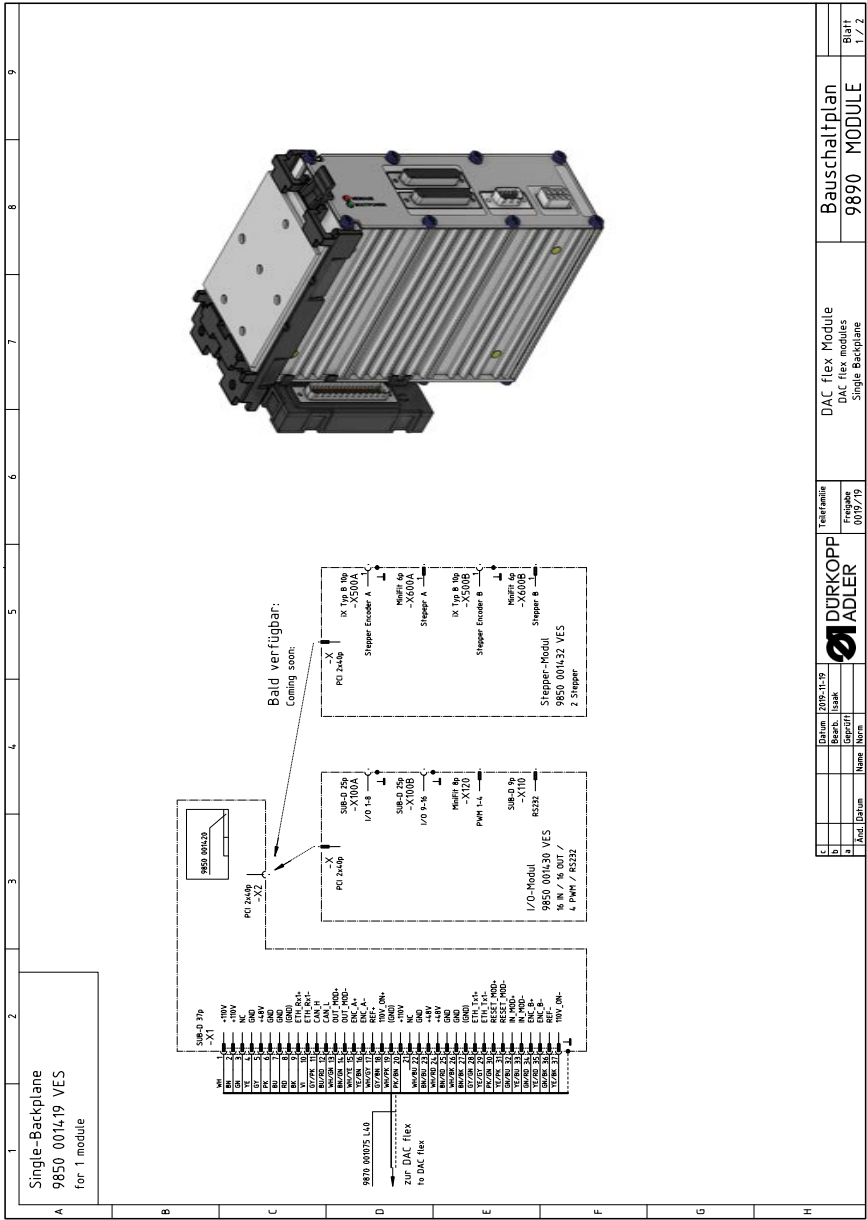
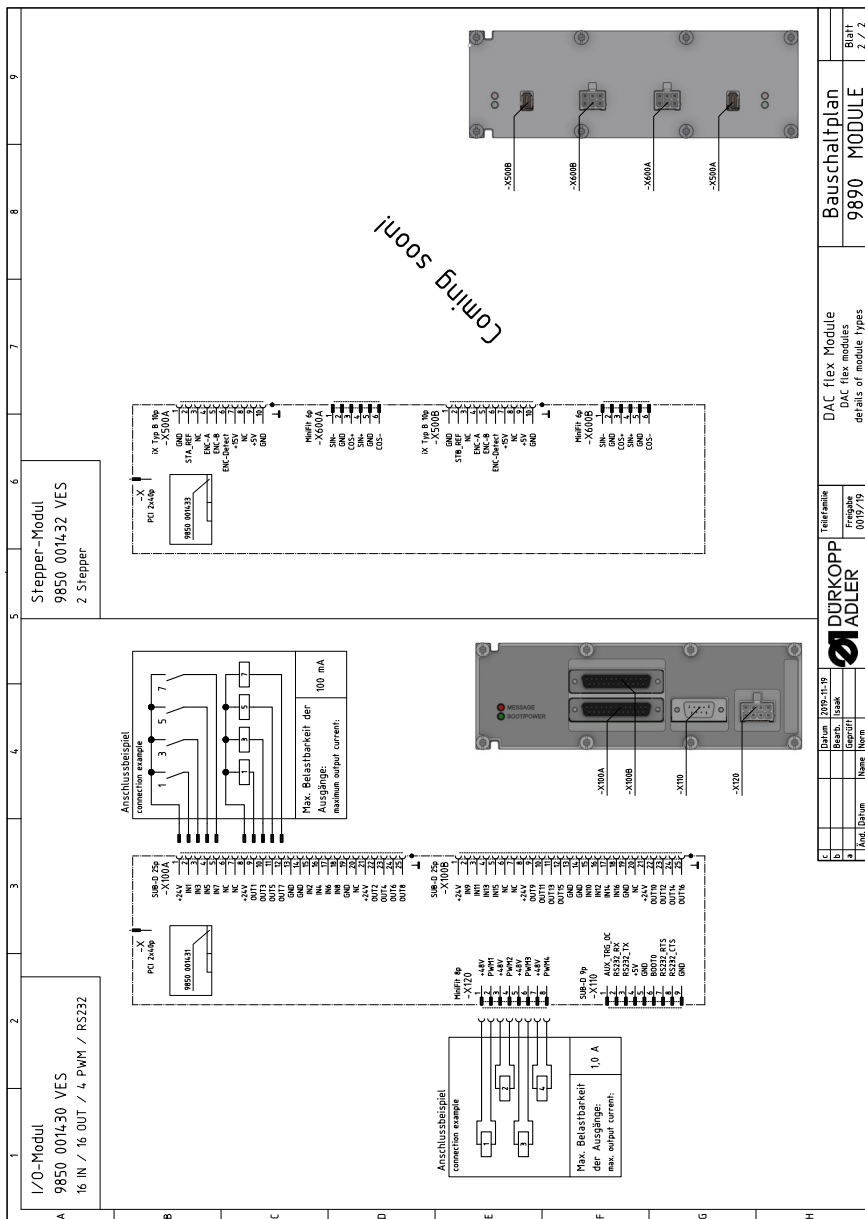


Fig. 8: Wiring diagram





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