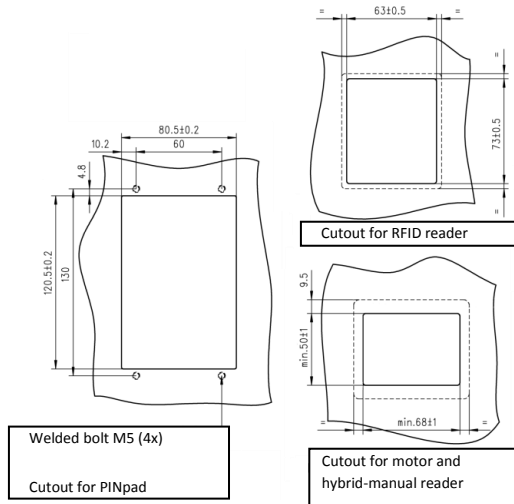


Installation

| Reference | Note |
|-------------------------------|---|
| In general | <ul style="list-style-type: none"> The machine front in which the contact-based reading is to be installed may not be thicker than max. 4 mm. The nuts/screws for fastening all components must be tightened with a torque of 0.8 Nm ($\pm 10\%$). This also applies to the 4 screws that hold the mouthpiece module together. The outer 4 screws (attaching the reader to the machine front) may be tightened for the final attachment with a max. torque of 0.3 Nm. The PCI requirements regarding privacy protection must be met. |
| davinci VENDING module | <p>The VENDING module is mounted to the machine front using the self-locking screws. The appropriate measurements of the machine front cutout and the position of the mounting bolts are found in the figure below.</p> <ul style="list-style-type: none"> When mounting please make sure that the VENDING module is firmly attached to the machine front; otherwise the dismantling protection could be triggered. The seating surface for the dismantling protection switch must be smooth and flat. |
| Motor/Insertion reader | <p>The two davinci VENDING contact-based card readers include a motor reader with a shutter and a hybrid insertion reader. The installation of this type of reader is described using a motor reader as an example. The other reader can be installed the same way. First the mouthpiece and the supporting plate are attached to the machine front. Water drainage channels are built into the supporting plate, as are the bolts for attaching the motor reader. These will be attached in a second step using self-locking nuts. The mouthpiece is attached to the housing using the outer fastening screws.</p> |

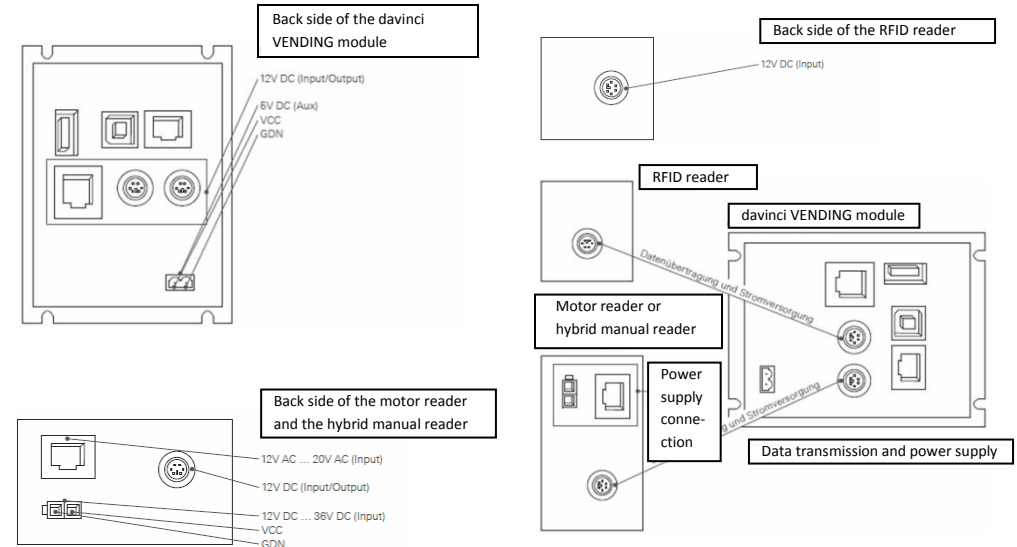
Individual components



Quick setup for davinci VENDING Ver. 3.0

power supply concept

The davinci VENDING module's power supply concept is designed to be diverse in order to meet a range of customer requirements. Power to davinci VENDING module can be supplied through a motor reader, hybrid manual reader, a power adapter or a vending machine. Other components can be supplied with power at the same time with the davinci VENDING module.



PIN allocation for the connections

PIN allocation for the davinci VENDING module

| Description | Plug type | Purpose | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|-------------------|---------------------------------|--------------------------------|------|-------|-----|-----|-----|-----|-----|---|
| Power | screw/plug connection | 5V DC power supply (auxiliary) | VCC | GND | | | | | | |
| Comm. | RJ45 | Ethernet | Tx+ | Tx- | Rx+ | | | | Rx- | |
| ECR | RJ12 | Cash register interface | U in | U Ext | RxD | TxD | GND | GND | | |
| USB type 1.1 | Standard type A Standard type B | Host and device | +5V | D- | D+ | GND | | | | |
| Connect to module | mini-DIN 6-pol. | Connection to the components | +12V | +12V | RxD | TxD | GND | GND | | |
| Connect to module | mini-DIN 6-pol. | Connection to the components | +12V | +12V | RxD | TxD | GND | GND | | |

PIN allocation for the card reader

| Description | Plug type | Purpose | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|-------------------|-----------------|------------------------------|------|------|-----|-----|-----|-----|-----|-----|
| Power | Molex | 12V-36V DC | GND | VCC | | | | | | |
| Power | RJ45 | 12V-20V AC | AC1 | AC1 | AC1 | | | AC2 | AC2 | AC2 |
| Connect to module | mini-DIN 6-pol. | Connection to the components | +12V | +12V | RxD | TxD | GND | GND | | |

PIN allocation for the RFID reader

| Description | Plug type | Purpose | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|-------------------|-----------------|------------------------------|------|------|-----|-----|-----|-----|---|---|
| Connect to module | mini-DIN 6-pol. | Connection to the components | +12V | +12V | RxD | TxD | GND | GND | | |

Commissioning

Once the terminal has been properly installed, it must be activated and placed in operation with the appropriate parameters. For the following steps, any necessary entry sections can also be selected with the arrow key and confirmed with the OK key.

After the terminal ID is entered, the terminal starts the software download, configuration and initialization. The terminal is operationally ready as soon as the word "Welcome" and the card brands appear on the screen.

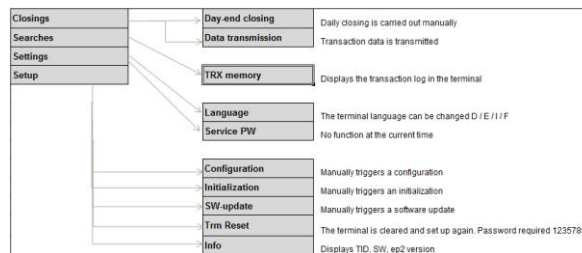
Note: If the davinci VENDING module's communication takes place through the vending machine, the operation of the terminal may differ from these instructions.

| | | |
|-------------------------|-----------------------|---|
| ECR Integration? | YES | Cash register-integrated installations Stand-alone installations |
| | NO | |
| ECR Connection | RS.232 | Connection to cash register via RS.232 Connection to cash register via LAN Connection to cash register via USB |
| | LAN | |
| | USB | |
| ECR PORT Speed | 115200 | Interface speed |
| | 57600 | |
| | 38400 | |
| Network Interface | LAN | Terminal connection directly through LAN Terminal connection via cash register/vending machine |
| | ECR | |
| IP Configuration | DHCP | Obtains IP address from DHCP server and displays it -> next with OK Must be entered properly and prepared with the activation |
| | Static IP | |
| Server IP-Address | serv.ep2.telekurs.com | Default DNS address for internet communication Other communication types (private net, point-to-point) must be entered manually and confirmed with 'OK'. |
| | | |
| Server TCP Port Number | 8953 | This input can be confirmed with 'OK' |
| Terminal Identification | | Enter the specific terminal ID here and confirm with 'OK' |

Payment terminal hotline 7x24h hotline@six-group.com
 with a service contract: 0800 111 600 / 601
 with a hotline contract (at local rates: 0848 000 599 / 601
 without a hotline contract (CHF 2.48/min): 0900 900 055 / 0848 000 601

menu functions

The terminal must first be approved by vending machines in order for these functions to be selected. (MPD command: 4 - 1 Activate the service menu on the terminal) Once activated, the terminal password must be entered. Each terminal has a password that is defined according to customer preference during activation. The following menu structures can be selected with the arrow button and confirmed with the OK button. The STOP button can be used to jump back a level.



This hardware test menu is reached as follows: After a power-up, the MENU button must be pressed while the white screen is being built. Entry of the "Z" password is then required.

Menu items:

- | | |
|----------------------------|---|
| 1. Test PINpad | Each button must be pressed once, otherwise you cannot proceed. |
| 2. Test external reader | The card is read 10 times |
| 3. List installed firmware | List of the installed SW modules |
| 4. Exit | Abort |

Dismantling protection

In compliance with the international PCI rules, the individual components of the davinci VENDING terminal are equipped with dismantling protection. This should prevent it from being malevolently dismantled during operation, then modified and placed back into operation. The

Components dismantled in the field must therefore always be returned to SIX Payment Services to be reactivated. The dismantling protection consists of electronic contacts that can be found at the front of the device and can only be activated through correct assembly of the components. Although the dismantling protection of one component is active, you can take a reading from the status indicator on the display:

| Display | Description | Assistance |
|--|--|---|
| Tampered (0) Tampered (2) | <ul style="list-style-type: none"> The security of the VENDING module was activated or damaged | <ul style="list-style-type: none"> Send VENDING module back to SIX Payment Services |
| Reader Tampered (0) Reader Tampered (2) | <ul style="list-style-type: none"> The security of the reader was activated or damaged | <ul style="list-style-type: none"> Send reader back to SIX Payment Services |
| Not mounted (4) | <ul style="list-style-type: none"> The VENDING module is not correctly mounted | <ul style="list-style-type: none"> Check contacts on the dismantling protection Activation possible after correct assembly |
| Reader not mounted (4) | <ul style="list-style-type: none"> The reader is not correctly mounted The mouthpiece is not correctly mounted | <ul style="list-style-type: none"> Activation possible after correct assembly Possibly check contacts on the dismantling protection or the assembly of the mouthpiece |
| Not activated (5) | <ul style="list-style-type: none"> The dismantling protection of the VENDING module is not active | <ul style="list-style-type: none"> Activate |
| Reader not activated (5) | <ul style="list-style-type: none"> The dismantling protection of the reader has not yet been activated | <ul style="list-style-type: none"> Activate |
| Not mounted (7) | <ul style="list-style-type: none"> The VENDING module is not correctly mounted The VENDING module has been removed | <ul style="list-style-type: none"> Device must be sent back to SIX Payment Services for reactivation |
| Reader not mounted (7) | <ul style="list-style-type: none"> The reader is not correctly mounted The reader has been removed The mouthpiece is not correctly mounted | <ul style="list-style-type: none"> Device must be sent back to SIX Payment Services for reactivation |
| Not activated (8) | <ul style="list-style-type: none"> The dismantling protection of the VENDING module is closed again. A password is necessary to reactivate it No transactions are possible in this state | <ul style="list-style-type: none"> Device must be sent back to SIX Payment Services for reactivation |
| Reader not activated (8) | <ul style="list-style-type: none"> The dismantling protection of the reader is closed again. A password is necessary to reactivate it No transactions are possible in this state | <ul style="list-style-type: none"> Device must be sent back to SIX Payment Services for reactivation |

Exchanging the VENDING module

When exchanging the VENDING module, it is to be noted that the card reader must also be exchanged. Otherwise, it will no longer be technically possible to conduct "plain text" PIN verifications against chip cards which have an SDA chip (static data authentication). Under certain circumstances, they would then no longer function properly. → The CH Maestro card is not affected by this.

Test commissioning without activation

During a menu query pertaining to the activation, the STOP button can be used to abort the activation and subsequent entry of the Z password. In this way, the status of the dismantling protection is not queried or changed. The terminal can be placed in operation and, for example, initialized in this mode. → Important: No transactions can be conducted in this mode. After powering up again, the same "Activation menu" appears.