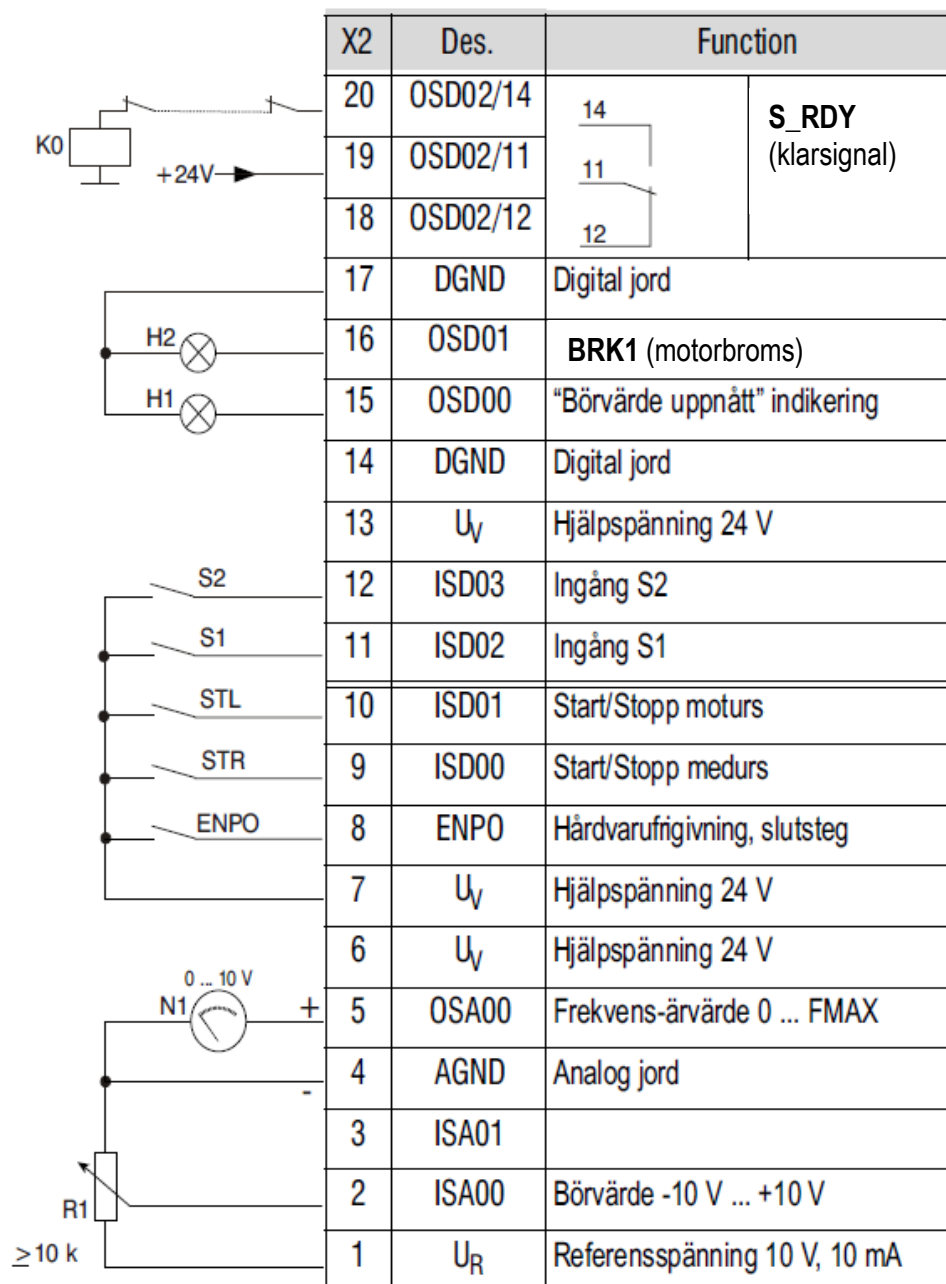
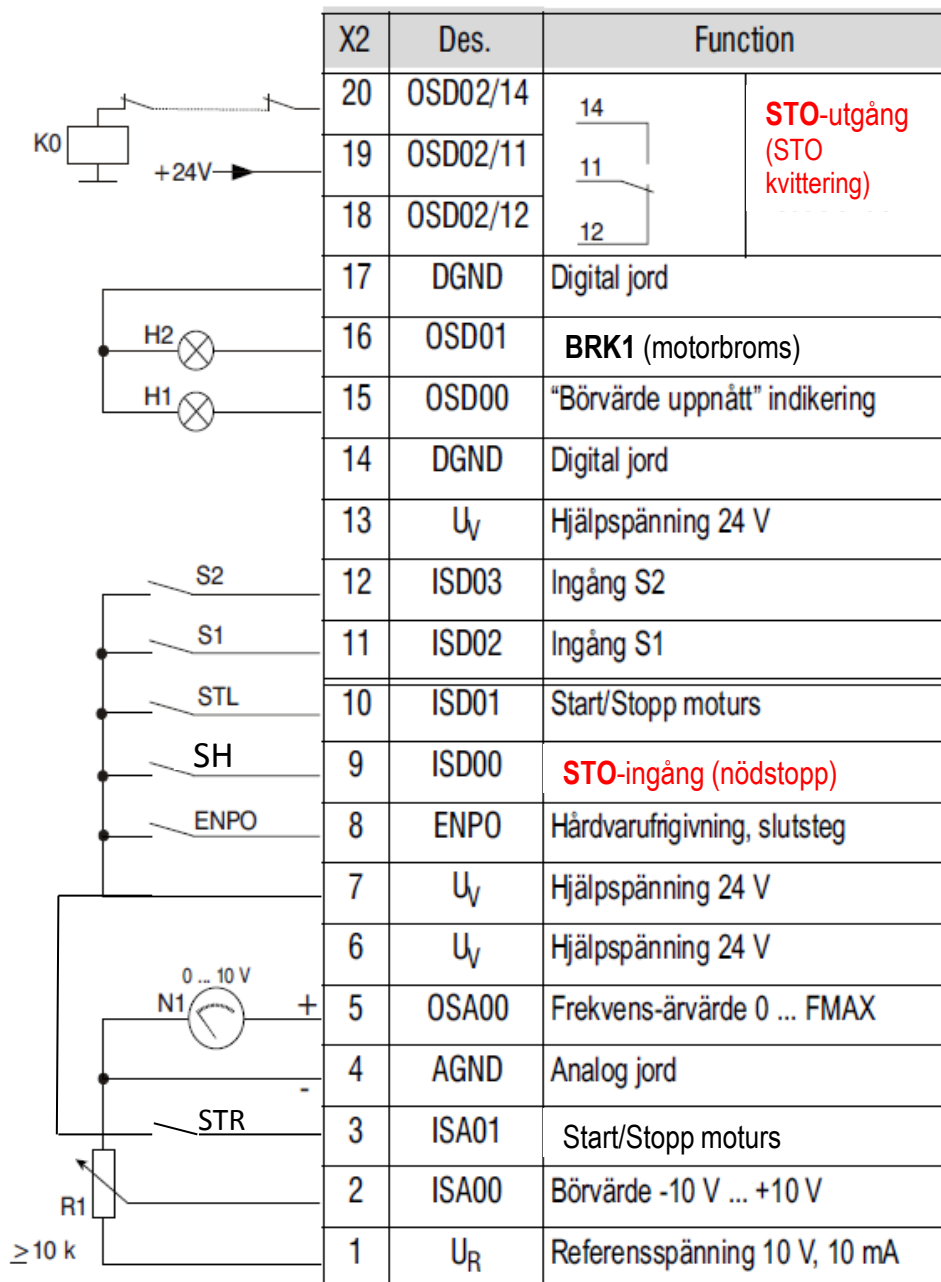


# CDB 3000Wx.x, OL

## Frekvensomriktare



**CDB 3000Wx.x, OL\_SH**Frekvensomriktare med **Safe Torque OFF**

# Motoridentifikation:

The screenshot displays the LTI DriveManager interface for a 1-CDB 34.010 Hz Open Loop setup. The main window shows the '1-CDB 34.010 Hz Open Loop setup' dialog with a 'Preset solution' of 'Speed control-OpenLoop, 0-10V or fixed speeds, control via terminal'. The 'Initial commissioning...' button is highlighted.

The 'First commissioning' dialog is open, showing a three-step process:

- 1. Preset solution...**: Select one of many preset solutions to adapt drive parameter setting quick and easy corresponding to your application.
- 2. Motor and encoder...**: Select motor set out of collection or start automatic motor identification and adapt encoder and temperature sensor.
- 3. Basic settings...**: Basic settings...

The 'Motor and encoder' dialog is open, showing the 'Actual motor' section with a motor icon and a 'Motor type designation' field. The 'Identify new motor' section is active, with the 'Motoridentification' button highlighted.

The 'Motor identification' dialog is open, showing the following parameters:

- 1. Rated voltage:  V
- 2. Rated current:  A
- 3. Rated speed:  1/min
- 4. Rated frequency:  Hz
- 5. Rated power:   kW
- 6. Rated torque:  Nm

The 'Moment of inertia of motor known?' section has the 'No' radio button selected, with the note: 'Value is fixed by standard asynchronous motor table'. The 'Start identification' button is highlighted.

The status bar at the bottom shows 'RS232 : 57600 Baud' and the LTI logo.

# Grundinställningar:

The screenshot displays the LTI DriveManager interface for configuring a 1-CDB 34.010 Hz Open Loop drive. The main window shows drive status (not ready to switch on) and various parameters. Several configuration dialog boxes are open, illustrating the basic settings process:

- Speed control-OpenLoop, 0-10V or fixed speeds, control via terminal:** Shows the preset solution and basic settings. A blue arrow points to the 'Basic settings...' button.
- Analog input options:** Shows a graph of speed [%] vs voltage [V]. A blue arrow points to the '10 V corresponds to 100 %' and '0 V corresponds to 0 %' settings.
- CDS fixed speeds:** Shows data set 1 (CDS1) and data set 2 (CDS2) with fixed speeds of 10 1/min and 5 1/min respectively. A blue arrow points to the 'Fixed speed 1' field.
- Stop ramps:** Shows reaction settings for 'control off', 'halt feed', and 'quick stop'. A blue arrow points to the 'Quick stop ramp' field.
- Limitations 'Open loop':** Shows current limit (100% start-up, 120% 1/min) and speed limit (100.00% of 1500 1/min). A blue arrow points to the 'Current limit value' field.
- Speed profile 'Open loop':** Shows acceleration (20 1/min/s) and deceleration (20 1/min/s) settings. A blue arrow points to the 'Acceleration' field.

Blue arrows indicate the flow of configuration steps from the main window to these dialog boxes.

# Avancerade inställningar:

The screenshot displays the LTI DriveManager software interface for configuring a 1-CDB 34.010 Hz Open Loop setup. The main window shows a 'Preset solution' for 'Speed control-OpenLoop, 0-10V or fixed speeds, control via terminal'. The 'Reference / Ramps' dialog is open, showing a speed profile graph and options for 'Motor poti', 'CDS-Fixed speeds', and 'Fixed speed table'. The 'Inputs' dialog is also open, showing settings for ISA0 (Function: 0-10V (38) = Analog reference input 0-10V) and ISA1 (Function: OFF (0) = no function). The 'Outputs' dialog is open, showing digital outputs OS00 (REF (10) = Reference reached), OS01 (BRK1 (14) = Brake function 1), and OS02 (S\_RDY (25) = Device initialized). The 'V/f control' block diagram shows the control flow from 'Current control' through 'Current limitation control' and 'Pulse damping' to the 'Power stage' and 'Motor'. The 'V/f-characteristic' block includes 'I<sub>x</sub>R load control' and 'Motor choke compensator'. The 'Up synchronization' block is also visible. The status bar at the bottom shows 'RS232: 57600 Baud' and the LTI logo.