**Connecting the power cable**

- **Input signal**
- **Output signal**
  - Constant frequency selection (X20 X21)
  - Speed reference (X1 X2)
  - Forward/reverse selection (X4 X5)
  - Enable/output selection (X7 / X8)

**Start up and use**

- **Input signal**
- **Output signal**
  - Frequency setting
  - Direction - forward or reverse
  - Deceleration time
  - Frequency reference

**Display**

- **Input signal**
- **Output signal**
  - Start button
  - Stop button
  - Frequency
  - Direction

**Motor data**

- **Input signal**
- **Output signal**
  - Motor speed
  - Stall mode
  - Motor control
  - Start/stop mode
  - coast
  - Acceleration time

**Submenus**

- **Input signal**
- **Output signal**
  - Motor data
  - motor parameters
  - control
  - Close
  - Blinds
  - Energy saving
  - energy savings
  - Backup and reset

**Change the rotation direction**

- **Input signal**
- **Output signal**
  - Frequency setting
  - Direction - forward or reverse

**Set the reference frequency**

- **Input signal**
- **Output signal**
  - Frequency
  - Direction

**Interconnection examples of two-wire and three-wire sensors**

- **Input signal**
- **Output signal**
  - Input signal
  - Output signal
  - Frequency reference

**Default I/O connections**

- **Input signal**
- **Output signal**
  - Local
  - Remote
  - Frequency
  - Direction

**Check the suitability with IT (ungrounded) system**

- **Input signal**
- **Output signal**
  - Power
  - Ground
  - Motor

- **Input signal**
- **Output signal**
  - DC voltage
  - DC current
  - Frequency

**Check the insulation of the power cables and the motor**

- **Input signal**
- **Output signal**
  - Connect the power cable input according to local regulations before connecting it to the drive.
  - Check the insulation of the motor cable and motor before connecting it to the drive. Measure the resistance using a multimeter. If the insulation resistance of an ABB motor must exceed 250 MΩ (minimum value at 25 °C or 77 °F). For the insulation resistance of other motors, see the manufacturer’s recommendations. If moisture is suspected, dry the motor and repeat the measurement.

**Check the insulation with IT (ungrounded) system**

- **Input signal**
- **Output signal**
  - Power
  - Ground
  - Motor

- **Input signal**
- **Output signal**
  - DC voltage
  - DC current
  - Frequency

**All possible I/O connections**

- **Input signal**
- **Output signal**
  - Local
  - Remote
  - Frequency
  - Direction