Installing the drive vertically, frames size R6

Motor cables

Default I/O connections

Check the Insulation of the power cables and the motor

Warning! The drive module is heavy and its center of gravity is high. An overturning drive can cause physical injury. To lift and move the drive, use the lifting eyes of the drive. Do not lift the module manually. Make sure that the wall and the fixing devices can carry the weight.

Related Manuals

- Knowledge (SVM100/SVM200/55-551)
- About this document

Safety Instructions

1. Drill the mounting holes.

2. Ground the outer shield of the cable 360 degrees under the grounding clamp on the grounding frame for the control cables.

3. Route the cable as shown in the figure.

4. Connect the conductors to the terminal box.

5. Tie all control cables to the provided tie strips.

Note:

- The drive must be connected to an IT (ungrounded) system
- The signal cables must be shielded and grounded at both ends. The signal cable shield must be connected to the analog ground at the signal source.

Checking the power cable

Connection diagram

Connect the motor cables to the power cable terminals.

Note:

- The motor cables must be shielded and grounded at both ends.
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Checking the compatibility with IT (ungrounded) system

Connect the power cable

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By default, the drive shows a short parameter list. For the complete list of parameters, there are several options. These options also have names, and also appear in the text. The content of the different options depends on the drive type.

Main menu
- Motor data
- Motor control
- Connectors
- Terminal data for the power cables
- Ratings, fuses and power cable dimensions
- Markings
- Declaration of conformity

Fault and Warning
- Motor data
- Motor control
- Connectors
- Terminal data for the power cables
- Ratings, fuses and power cable dimensions
- Markings
- Declaration of conformity

List of most commonly used parameters
- Motor data
- Motor control
- Connectors
- Terminal data for the power cables
- Ratings, fuses and power cable dimensions
- Markings
- Declaration of conformity

Warning code is shown in the internal screen. A typical warning code is displayed when a fault is detected, and also serves as a warning.

To view warning messages:
1. Select Diagnostics.
2. Modified parameters list - non-default value
3. Scroll down the list if there are multiple warnings.
4. Hand / PID

Warning:
- Motor data
- Motor control
- Connectors
- Terminal data for the power cables
- Ratings, fuses and power cable dimensions
- Markings
- Declaration of conformity

Status light
- Motor data
- Motor control
- Connectors
- Terminal data for the power cables
- Ratings, fuses and power cable dimensions
- Markings
- Declaration of conformity

Declaration of conformity
- Motor data
- Motor control
- Connectors
- Terminal data for the power cables
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Markings
- Motor data
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The applicable markings are shown on the type label of the product.