



Danfoss VACON 100 X Motor Mountable AC Drives User Guide

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Danfoss VACON 100 X Motor Mountable AC Drives



Product Information

Specifications

- Minimum distance around the inverter: All types – 80mm
- Motor terminals: U/T1, V/T2, W/T3
- DC bus terminals: DC+, DC-
- Brake resistance terminals: R+, R-
- Earth conductor

Product Usage Instructions

Changing the Control Place

To change the control place, follow these steps:

1. Modify the source of command
2. Select 'Local/Remote' or 'Local' or 'Remote'
3. If 'Local/Remote' is selected, press 'OK'
4. If 'Local' or 'Remote' is selected, press 'OK'
5. If 'Local/Distance' is selected, press 'OK'

The Graphical Display (A)

- The location field
- An activated group or item
- The number of items in the group in question
- The first status field: STOP/RUN
- The rotation direction
- The second status field: READY/NOT READY/FAULT
- The alarm field
- The control place

The Text Display (B):

- The indicators of status
- The indicators of alarm and fault
- The name of the group or item
- The current location in the menu
- The indicators of the rotation direction
- The indicators of the control place

The Buttons of the Keypad (C)

- BACK/RESET button
- OK button
- Arrow button UP
- FUNCT button
- Arrow button RIGHT
- START button
- Arrow button DOWN
- 22 – STOP button
- 23 – Arrow button LEFT

Frequently Asked Questions (FAQ):

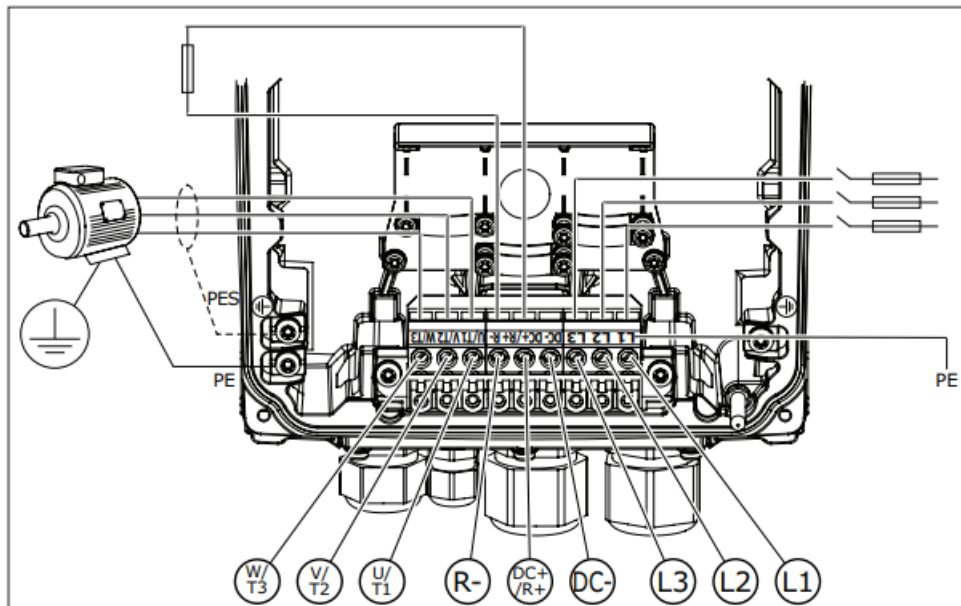
- **Q: What is the minimum distance required around the inverter?**
A: The minimum distance required around the inverter is 80mm for all types.
- **Q: What are the motor terminals?**
A: The motor terminals are U/T1, V/T2, and W/T3.
- **Q: What are the DC bus terminals?**
A: The DC bus terminals are DC+ and DC-.
- **Q: What are the brake resistance terminals used for?**
A: The brake resistance terminals are used for connecting a brake resistor.
- **Q: What is the purpose of the earth conductor?**
A: The earth conductor is used for grounding.

CABLE INSTALLATION

- L1 Mains
- U/T1 Motor
- DC+ DC bus terminals
- DC- Borne de bus DC
- R+ Brake resistor terminals
- R-

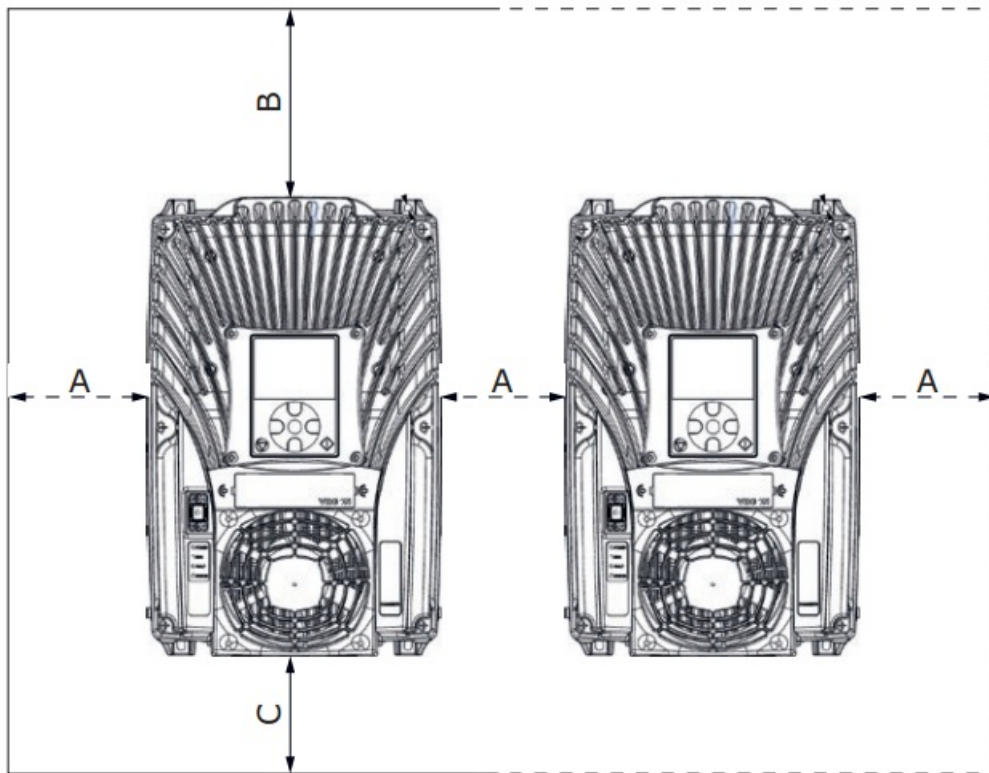


- The earth conductor



Example MME

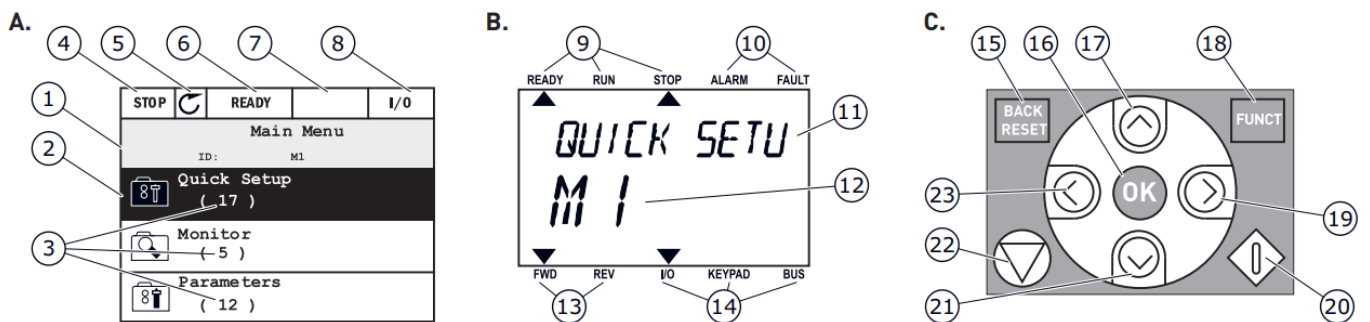
COOLING



The minimum clearance (mm) around the drive

FRAME	A	B	C
All types	80	160	60

CONTROL PANEL AND KEYPAD



FUNCT (18)

Use it to change the rotation direction of the motor, access the control page, and change the control place.

- Changing the control place:



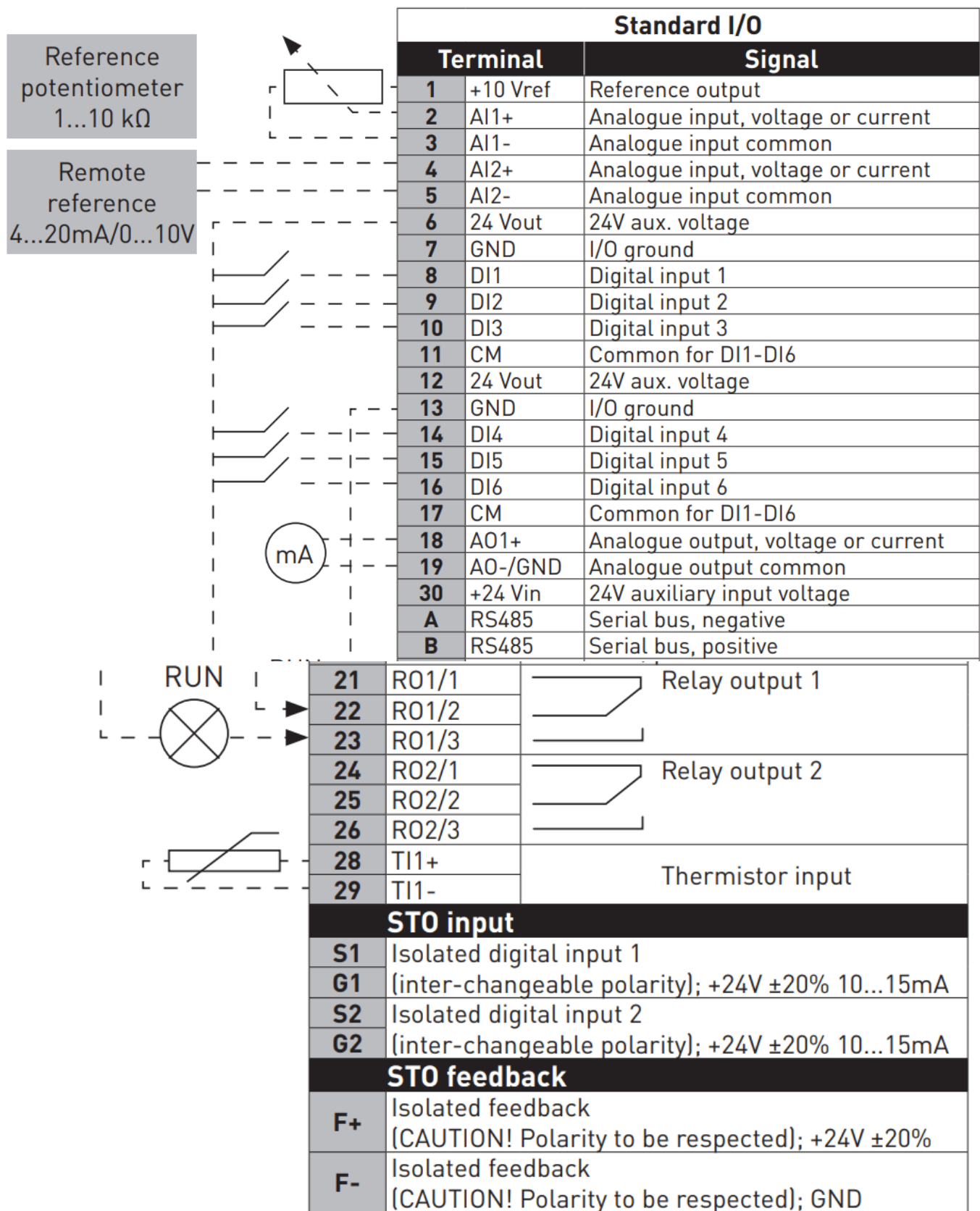
- 'Local/Remote' 3.



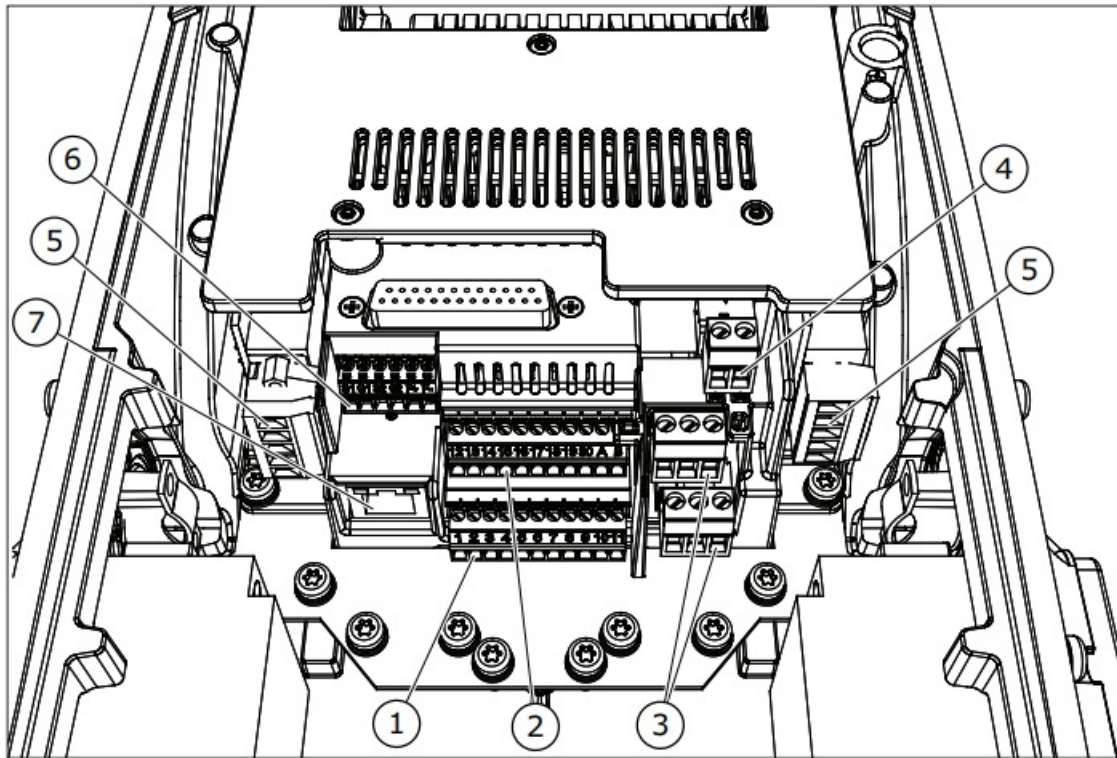
- . 'Local' or 'Remote' 5.

A	The graphical display
1	The location field
2	An activated group or item
3	The number of items in the group in question
4	The first status field: STOP/RUN
5	The rotation direction
6	The second status field: READY/NOT READY/FAULT
7	The alarm field
8	The control place
B	The text display
9	The indicators of status
10	The indicators of alarm and fault
11	The name of the group or item
12	The current location in the menu
13	The indicators of the rotation direction
14	The indicators of the control place
C	The buttons of the keypad
15	The BACK/RESET button
16	The OK button
17	The arrow button UP
18	The FUNCT button
19	The arrow button RIGHT
20	The START button
21	The arrow button DOWN
22	The STOP button
23	The arrow button LEFT

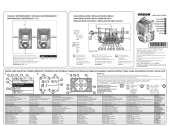
CONTROL TERMINALS



1. Control terminals 1-30
2. Relay terminals Bornes relais
3. Thermistor input
4. Option boards
5. STO Terminals
6. Ethernet Terminal Borne Ethernet



Documents / Resources



[Danfoss VACON 100 X Motor Mountable AC Drives](#) [pdf] User Guide
AN36117953463301-000101, VACON 100 X Motor Mountable AC Drives, VACON 100 X, Motor Mountable AC Drives, Mountable AC Drives, AC Drives, Drives

References

- [🌐 Drives knowledge center | Danfoss](#)
- [User Manual](#)