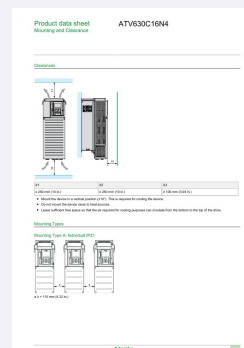


FIELD INSTALLATION QUICK GUIDE

Installation Instructions

ATV630C16N4

160 Kw Variable Speed Drive



PRODUCT	ATV630C16N4
DOCUMENT TYPE	Installation Instructions
PRODUCT FUNCTION	160 Kw Variable Speed Drive
OFFICIAL SOURCE	Schneider Electric ATV630C16N4 product documentation

Use this guide with the complete manufacturer documentation and the controlled site procedure. Isolate all energy sources, preserve the exact model identity and verify every connection before energising.

01 PRE-INSTALLATION VERIFICATION

- Confirm the complete ATV630C16N4 identification and the documented 160 kW variable speed drive configuration.
- Record the installed position, connector orientation, cable routing, grounding and adjacent equipment before removal.
- Isolate electrical, pneumatic and stored energy sources using the approved site procedure.
- Use the official drawing and terminal information shown on the following page; do not infer connections from appearance.
- Inspect the replacement unit, mating hardware and environmental conditions before installation.

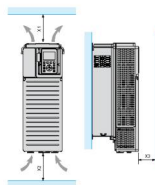
VARIABLE SPEED DRIVE CONNECTIONS

Official manufacturer installation material reproduced from Schneider Electric ATV630C16N4 product documentation. The drawings retain their original aspect ratio and technical meaning.

Product data sheet
Mounting and Clearance

ATV630C16N4

Clearances

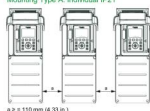


X1	X2	X3
≥ 200 mm (7.87 in.)	≥ 200 mm (7.87 in.)	≥ 100 mm (3.94 in.)

• Mount the device in a vertical position (±1°). This is required for cooling the device.
 • Do not mount the device close to heat sources.
 • Leave sufficient free space so that the air required for cooling purposes can circulate from the bottom to the top of the drive.

Mounting Types

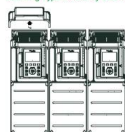
Mounting Type A: Individual IP21



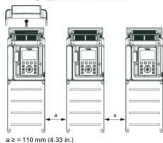
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Mounting Type B: Side by Side IP20 . Only possible at ambient temperature lower than 40 °C (104 °F)



Mounting Type C: Individual IP20



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Electric

03

INSTALLATION AND CONNECTION CHECKS

- Install the unit only in the documented mounting position with the specified companion hardware.
- Match every keyed connector, terminal, conductor, shield and protective-earth point to the official drawing.
- Maintain the documented separation, bend radius, torque, cooling clearance and environmental limits that apply to the product.
- Before energising, perform continuity, polarity, insulation and mechanical-retention checks appropriate to the circuit.
- Do not bypass interlocks, diagnostics, protective devices or approved safety functions during commissioning.

04

INITIAL COMMISSIONING CHECKS

- Restore power or process connections in the approved sequence and observe startup diagnostics.
- Verify communications, channel status, sensor response, drive state or controller operation as applicable.
- Test the affected function at a safe operating point and confirm alarms, trips and feedback paths.
- Record the exact model, configuration, test results and final drawing references in the maintenance record.

05

CONTROLLED DOCUMENTS

Official source	Schneider Electric ATV630C16N4 product documentation
Product record	ATV630C16N4
Document	Amikon Installation Instructions
Support	INFO@AMIKON.CN