Danfoss FCD-311-FCD311PT4P66STR1DCF00T62C0

COMPLETE PRODUCT INFORMATION / EXACT-MODEL ENGINEERING FILE

Danfoss FCD-311-FCD311PT4P66STR1DCF00T62C0 is identified as a decentral variable frequency drive for the Danfoss VLT FCD 300 decentralized-drive platform. The complete marking and installed interface arrangement must be matched before replacement.

01 Product overview

Identity control	Installed boundary	Acceptance record
Match every token in the complete FCD-311-FCD311PT4P66STR1DCF00T 62C0 marking.	Preserve connector orientation, cable ownership and host position before removal.	Retain diagnostics and controlled functional-test evidence with the maintenance record.

The complete FCD-311-FCD311PT4P66STR1DCF00T62C0 marking identifies the offered decentral variable frequency drive. Record the removed item, host position and connected hardware so the comparison uses the actual installed boundary rather than a shortened family name.

Within the Danfoss VLT FCD 300 decentralized-drive platform, evaluate FCD-311-FCD311PT4P66STR1DCF00T62C0 together with its carrier, terminals, cables and applicable project or hardware settings. Preserve the as-found interface map and revision evidence; a mechanically similar item is not automatically equivalent.

Technical data

Complete order code	FCD-311-FCD311PT4P66STR1DCF00T62C0
Product type	Decentral Variable Frequency Drive
System context	Danfoss VLT FCD 300 decentralized-drive platform
Drive size	FCD 311
Application range	P: process
Line supply	T4: 3 × 380-480 V
Enclosure	P66: IP66 protected enclosure
Hardware variant	ST: standard hardware
RFI filter	R1: class A1 filter
Display connection	DC: display connector plug mounted

Related product references

- B&R 8V1022.001-2
- Fanuc A20B-3300-0281/04B
- General Electric IC695PNC001
- General Electric DS200TBCAG1AAB
- Hardy 1746-WS

02 Technical data and installed-system relationship

Serial option	F00: no serial communication option installed
Installation box	T62: wall mount, metric thread, double side, service switch
Coating	C0: non-coated boards
Output current	3.0 A continuous
60-second output current	4.8 A
Output power at 400 V	2.0 kVA
Typical shaft output	1.1 kW / 1.5 hp
Input current	2.6 A continuous
60-second input current	4.2 A
Maximum motor cable cross-section	4 mm² / AWG 10

Engineering interpretation

Complete identity	Use FCD-311-FCD311PT4P66STR1DCF00T62C0 as one complete reference in the quotation, service record and acceptance file.
Installed position	Record the exact host position and functional ownership within the Danfoss VLT FCD 300 decentralized-drive platform.
Physical execution	Compare artwork, connectors, keying, terminal hardware and orientation with the removed assembly.
Configuration boundary	Preserve the applicable project, address, firmware or hardware-setting record before removal.
Acceptance evidence	Retain initial and as-left diagnostics plus the controlled functional-test result.
Unstated values	Do not assign electrical or compatibility values that are not established by the exact-model evidence.

Controller platform reference

Danfoss VLT FCD 300 decentralized-drive platform. Confirm the exact installed execution and approved maintenance record.

Related product references

- General Electric IC695PNC001
- General Electric DS200TBCAG1AAB
- Hardy 1746-WS
- HMS AB5030-B
- ABB DO801 3BSE020510R1
- Bently Nevada 3300/47

03 Applications / Compatibility

System position: FCD-311-FCD311PT4P66STR1DCF00T62C0 is evaluated within the documented Danfoss VLT FCD 300 decentralized-drive platform architecture. Compatibility boundary: Match the complete marking, hardware execution and installed interfaces before replacement.

Installed-system replacement
Compare the exact code, host position and connected interfaces with the removed item.

Planned maintenance
Capture the as-found label, indications and configuration before disturbing the installation.

Controlled commissioning
Restore documented connections and prove the intended signal, communication or control response.

Spare qualification
Keep revision, configuration and acceptance evidence with the spare-part record.

Product Precautions

Verify the complete identity
Check every token in FCD-311-FCD311PT4P66STR1DCF00T62C0 against the offered label and approved record.

Isolate the work boundary
Follow the site procedure for stored energy, field power and electrostatic handling.

Record connections
Photograph and label carriers, terminals, cables and keying before removal.

Preserve configuration
Archive applicable Danfoss VLT FCD 300 decentralized-drive platform settings before replacement.

Inspect mating hardware
Check connectors, terminal blocks, carriers and cable condition before blaming the module.

Prove the result
Use an approved functional test and retain as-left diagnostic and acceptance evidence.

Additional verified data

Maximum power cable cross-section	4 mm² / AWG 10
Maximum pre-fuse	25 A IEC / 25 A UL
Efficiency	96%
Power loss at maximum load	59 W
Output-frequency range	0.2-132 Hz or 1-1000 Hz
Control response time	26.6 ms maximum for terminals 18, 19, 27, 29 and 33
Ambient full-load range	0 to 40 °C
Storage/transport temperature	-25 to +65/+70 °C
Maximum installation altitude	1000 m without stated derating

Related product references

Hardy 1746-WS

04 Technical FAQ

How should FCD-311-FCD311PT4P66STR1DCF00T62C0 be identified before replacement?	Compare the complete FCD-311-FCD311PT4P66STR1DCF00T62C0 marking, visible revision, installed position and the documented decentral variable frequency drive role. Do not approve a shortened family reference.
What evidence should be recorded before removing FCD-311-FCD311PT4P66STR1DCF00T62C0?	Photograph the complete label, connectors, cable routes, status indications and host position for FCD-311-FCD311PT4P66STR1DCF00T62C0; retain the current Danfoss VLT FCD 300 decentralized-drive platform record.
How should the interfaces for FCD-311-FCD311PT4P66STR1DCF00T62C0 be checked?	Map every connector, terminal and cable used by FCD-311-FCD311PT4P66STR1DCF00T62C0 to the as-found record, then verify keying, shielding and interface ownership before reconnection.
What configuration boundary matters when commissioning FCD-311-FCD311PT4P66STR1DCF00T62C0?	Use the approved Danfoss VLT FCD 300 decentralized-drive platform configuration for FCD-311-FCD311PT4P66STR1DCF00T62C0. Physical fit alone does not establish electrical, firmware or project equivalence.
How can a suspected FCD-311-FCD311PT4P66STR1DCF00T62C0 fault be separated from an external fault?	Check host power, mating hardware, field wiring and the applicable signal or communication path before controlled substitution of FCD-311-FCD311PT4P66STR1DCF00T62C0.

Lifecycle Status

FCD-311-FCD311PT4P66STR1DCF00T62C0 status	The FCD 300 is a legacy drive family; current regional support phase should be confirmed for this complete order code.
Support and replacement	Match the complete identity, hardware execution and installed configuration when planning service.
Apter Power availability	The offered quantity and dispatch date are confirmed in the quotation.

Alternative Names

Reference variant	Danfoss FCD311 P T4 P66 ST R1 DC F00 T62 C0
Reference variant	VLT FCD 311 T4 P66 T62

Related product references

- Fanuc A20B-3300-0281/04B
- General Electric IC695PNC001
- General Electric DS200TBCAG1AAB
- Hardy 1746-WS
- HMS AB5030-B
- ABB DO801 3BSE020510R1
- Bently Nevada 3300/47
- B&R 8V1022.001-2

Engineering record prompts

Connector record	Photograph every used connector, cable label, keying feature and shield termination.

05 Ordering, downloads and enquiry workflow

What should be verified after installing FCD-311-FCD311PT4P66STR1DCF00T62C0?	Confirm normal indications, interface continuity and the intended decentral variable frequency drive response for FCD-311-FCD311PT4P66STR1DCF00T62C0 in an approved test state.
Can FCD-311-FCD311PT4P66STR1DCF00T62C0 be replaced by a similar-looking unit?	Appearance is not an equivalence criterion for FCD-311-FCD311PT4P66STR1DCF00T62C0; compare the complete order code, revision, connectors and installed configuration.
What handover record is appropriate after work on FCD-311-FCD311PT4P66STR1DCF00T62C0?	Retain the offered and removed FCD-311-FCD311PT4P66STR1DCF00T62C0 markings, connection photographs, configuration evidence, diagnostics, functional-test results and open exceptions.

Ordering checks

Match the complete marking	Compare FCD-311-FCD311PT4P66STR1DCF00T62C0 with the installed label and applicable Danfoss documentation.
Check the offered item before ordering	Request photos of the offered FCD-311-FCD311PT4P66STR1DCF00T62C0 and compare markings, interfaces and included items with the installed unit.

Technical notes

Evidence scope	The official FCD 300 manual decodes the complete order string and lists FCD 311 electrical, environmental and installation values.
Installation boundary	The exact installed carrier, terminals, cables and project configuration remain site-specific.
Technical reference	Danfoss VLT Decentral FCD 300 Instruction Manual MG.04.B8.22

What happens after you enquire

Review your reference	Send the complete FCD-311-FCD311PT4P66STR1DCF00T62C0 marking, quantity and installed-system context.
Confirm the offer	Review the offered identity, condition, included items and delivery details.
Arrange dispatch	Confirm the accepted quantity and destination in the quotation.

Related product references

- General Electric DS200TBCAG1AAB
- Hardy 1746-WS
- HMS AB5030-B
- ABB DO801 3BSE020510R1
- Bently Nevada 3300/47
- B&R 8V1022.001-2
- Fanuc A20B-3300-0281/04B
- General Electric IC695PNC001

Discuss the complete FCD-311-FCD311PT4P66STR1DCF00T62C0 marking with Apter Power.

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Scan the WhatsApp QR to share nameplate and installed-system evidence.