

Danfoss VLT Micro Drive FC-51

Danfoss VLT® Micro Drive FC-51 Instruction Manual

Model: FC-051P1K5S2E20H3BXCXXSXXX

1. INTRODUCTION

The Danfoss VLT® Micro Drive FC-51 is a versatile and compact frequency converter designed for controlling AC motors up to 22.0 kW. This drive, model FC-051P1K5S2E20H3BXCXXSXXX, is engineered for strength and reliability, making it suitable for a wide range of general-purpose applications. It operates on a single-phase 200 - 240 VAC power supply and features an IP20 enclosure, indicating protection against solid objects larger than 12.5mm, but no protection against water.

Manufactured with environmental responsibility in mind, the VLT Micro Drive complies with the RoHS Directive. This manual provides essential information for the proper setup, operation, and maintenance of your Danfoss VLT® Micro Drive FC-51.

2. SETUP AND INSTALLATION

Proper installation is crucial for the safe and efficient operation of the VLT® Micro Drive. Always ensure power is disconnected before beginning any installation procedures.

- **Mounting:** Mount the drive in a vertical position on a flat, stable surface, ensuring adequate ventilation space around the unit for heat dissipation.
- **Power Connection:** Connect the single-phase 200 - 240 VAC power supply to the designated terminals. Verify correct voltage and phase before applying power.
- **Motor Connection:** Connect the AC motor to the drive's output terminals. Ensure proper wiring for motor rotation direction.
- **Grounding:** Always connect the drive to a proper earth ground to ensure safety and prevent electrical interference.
- **Control Panel (LCP):** The Local Control Panel (LCP) display is an accessory and must be ordered separately. Once acquired, it can be easily installed on the front of the drive for local control and monitoring.
- **Environmental Considerations:** The drive has an IP20 rating, meaning it is protected against solid objects but not water. Install in a dry environment free from excessive dust, moisture, and corrosive gases.



Figure 2.1: Front view of the Danfoss VLT Micro Drive FC-51. This image displays the front of the Danfoss VLT Micro Drive FC-51, highlighting its control panel. The panel features a display screen, navigation buttons including Menu, Status, Quick Menu, Main Menu, On, Warn, Alarm, Hand On, Off Reset, Auto On, and a central OK button with directional arrows. A rotary knob is also visible on the right side of the panel. The top section of the drive shows ventilation fins and a label with product information.

3. OPERATING INSTRUCTIONS

The VLT® Micro Drive FC-51 is designed for user-friendly operation, primarily through its Local Control Panel (LCP) or via external control signals.

- **Power On:** Once properly installed and wired, apply power to the drive. The display on the LCP (if installed) will illuminate.
- **Navigation:** Use the directional arrow buttons (**Up**, **Down**, **Left**, **Right**) and the **OK** button to navigate through menus and confirm selections.
- **Menu Access:**
 - **Menu Button:** Access the main menu structure for parameter settings and configuration.
 - **Quick Menu:** Provides quick access to frequently used parameters.
 - **Main Menu:** Offers a comprehensive overview of all available parameters.
- **Operation Modes:**
 - **Hand On:** Activates manual operation mode, allowing direct control from the LCP.
 - **Auto On:** Activates automatic operation mode, where the drive responds to external control signals (e.g., from a PLC).
 - **Off/Reset:** Stops the drive and can be used to reset alarms.
- **Status Indicators:**
 - **Status:** Indicates the current operational state of the drive.
 - **On:** Illuminates when the drive is running.
 - **Warn:** Indicates a warning condition that may require attention but does not stop the drive.
 - **Alarm:** Indicates a fault condition that has stopped the drive. Refer to the troubleshooting section for alarm codes.
- **Parameter Adjustment:** Use the rotary knob (if present on your LCP model) or the Up/Down arrows to adjust parameter values. Press **OK** to confirm changes.

4. MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your Danfoss VLT® Micro Drive FC-51. Always disconnect power before performing any maintenance.

- **Cleaning:** Periodically clean the exterior of the drive using a soft, dry cloth. Do not use liquid cleaners or solvents. Ensure ventilation openings are free from dust and debris to maintain proper airflow.
- **Inspection:** Regularly inspect the drive for any signs of physical damage, loose connections, or discoloration. Check that all cables are securely fastened.
- **Environmental Check:** Verify that the operating environment remains within the specified conditions (temperature, humidity, dust levels) to prevent premature wear or failure.
- **Fan Check:** If your model includes a cooling fan, ensure it is operating correctly and is free from obstructions.

For internal maintenance or repairs, it is recommended to contact qualified service personnel.

5. TROUBLESHOOTING

This section provides general guidance for common issues. For detailed troubleshooting, refer to the comprehensive Danfoss VLT® Micro Drive FC-51 technical manual.

Problem	Possible Cause	Solution
Drive does not power on	No input power; Incorrect wiring; Blown fuse.	Check power supply connections; Verify wiring against diagram; Inspect and replace fuses if necessary.
Motor does not run	Drive in fault/alarm state; Incorrect parameter settings; Motor wiring issue.	Check LCP for alarm codes and reset (Off/Reset button); Verify motor parameters (frequency, voltage); Check motor connections.
"Warn" indicator active	Minor operational issue (e.g., high temperature, overload warning).	Check operating conditions; Reduce load; Ensure proper ventilation. Consult manual for specific warning codes.
"Alarm" indicator active	Critical fault (e.g., overcurrent, undervoltage, short circuit).	Identify alarm code on LCP; Disconnect power, investigate cause (e.g., motor short, power fluctuation); Clear fault using Off/Reset button after resolving issue. If persistent, contact support.

If the problem persists after attempting these solutions, or if you encounter an alarm code not listed, please contact Danfoss technical support.

6. SPECIFICATIONS

Key technical specifications for the Danfoss VLT® Micro Drive FC-51 (Model: FC-051P1K5S2E20H3BXCXXXSXXX).

Product Model: VLT Micro Drive FC-51

Full Model Code: FC-051P1K5S2E20H3BXCXXXSXXX

Power Rating: 1.5 KW / 2.0 HP

Current Rating: 6.8A

Input Voltage: Single phase 200 - 240 VAC

Enclosure Rating: IP20 / Chassis (Protection against solid objects >12.5mm)

RFI Filter: Class A1/B (C1)

Brake Chopper: No

Control Panel: Local Control Panel (LCP) not included, order separately.

PCB Coating: Coated PCB

Product Dimensions: 6.91 x 2.95 x 6.93 inches

Manufacturer: Danfoss

ASIN: B087PQGJM7

Date First Available: August 30, 2022

7. WARRANTY AND SUPPORT

Specific warranty terms and conditions for the Danfoss VLT® Micro Drive FC-51 are not provided within this document. For detailed warranty information, including coverage period and claims procedures, please refer to the official documentation supplied with your product or visit the official Danfoss website.

For technical support, service, or further inquiries regarding your VLT® Micro Drive, please contact Danfoss customer service or your authorized Danfoss distributor. You can typically find contact information on the official Danfoss website:

Visit Danfoss Official Website

© 2024 Danfoss. All rights reserved. Information subject to change without notice.

Documents - Danfoss – VLT Micro Drive FC-51

VLT® Micro Drive FC 51 Operating Instructions	
Contents	
1 Safety	5
Safety Instructions	5
Software Version and Revisions	6
General Warning	7
Avoid Unintended Start	7
Before Connecting Repair Work	8
2 Mechanical Installation	9
Before Starting	9
Mechanical Dimensions	10
3 Electrical Installation	11
How to Connect	11
Electrical Installation in General	11
SSC General Installation	12
Main Connection	12
Motor Connection	13
Control Terminals	14
Connecting to Control Terminals	15
Sections	15
Power Circuit - Overview	16
Load starting/brake	16
4 Programming	17
How to Program	17
Programming with MCT-10 Set-up Software	17
Programming with the LCP-11 or LCP-12	17
Basic Menu	18
Quick Menu	19
Quick Menu Parameters	20
Main Menu	21
5 Modbus RTU	25
Modbus RTU Overview	25
Modbus RTU Message Framing Structure	26
Remote Terminal Unit	26
Modbus RTU Message Structure	26
Start Stop Field	26
Address Field	27
Function Field	27
Data Field	27

[Danfoss VLT Micro Drive FC 51 Operating Instructions Manual](#)

Comprehensive operating instructions for the Danfoss VLT Micro Drive FC 51, covering safety, mechanical and electrical installation, programming, Modbus RTU communication, parameter overview, troubleshooting, and specifications.
lang:en score:59 filesize: 2.62 M page_count: 70 document date: 2015-07-27



[\[pdf\] Instructions Troubleshooting Guide Specifications Dimension Guide Guide](#)

Quick Guide VLT Micro Drive FC 51 RS Components Contents 1 2 Safety Instructions 3 Introduction Available Literature IT Mains Avoid Unintended Start 0900766b8142601c docs rs online 5770 MAKING MODERN LIVING POSSIBLE Quick Guide VLT Micro Drive FC 51 www.danfoss.com/drives Contents VLT Micro Drive FC 51 Quick Guide Contents 1 Quick Guide 2 1.1 Safety 2 1.1.1 Safety Instructions 3 1.2 Introduction 3 1.2.1 Available Literature 3 1.2.2 IT Mains 3 1.2.3 Avoid Unintende...
lang:en score:57 filesize: 2.62 M page_count: 28 document date: 2015-07-17



[\[pdf\]](#) User Manual Instructions Troubleshooting Guide Specifications Dimension Guide Guide

Quick Guide VLT Micro Drive FC 51 1 Introduction Purpose of the Manual This quick guide provides information for safe installation and commissioning VLT® frequency converter The is intended use by qualified personnel To safely professionally read follow operating instructions MG02BC02 files danfoss Drives @ 2 Additional Resources 3 IT Mains 4 Avoid Unintended Start Safety Installation Operating fantech au images Ancillaries Fantech Pay particular Danfoss Supplementary publications manuals are available at attention to safety general warnings * 0 Coast DC hold

ENGINEERING TOMORROW Quick Guide VLT Micro Drive FC 51 vlt-drives.danfoss.com Contents Quick Guide Contents 1 Quick Guide 2 1.1 Introduction 2 1.1.1 Purpose of the Manual 2 1.1.2 Additional Resources 2 1.1.3 IT Mains 2 1.1.4 Avoid Unintended Start 2 1.2 Safety 3 1.3 Installation ...

lang:en score:56 filesize: 1.76 M page_count: 32 document date: 2017-10-19

VLT Micro Drive FC 51		Contents	
Contents			
1. Safety	3		
Safety instructions	3		
Approved	3		
General Warning	3		
Avoid unintended Start	4		
Before Commencing Repair Work	5		
2. Introduction	7		
Type Code	7		
3. Programming	9		
How to Program	9		
Programming with MCT-10	9		
Programming with LCP 11 or LCP 12	9		
Status Menu	11		
Quick Menu	11		
Main Menu	12		
4. Parameter Descriptions	13		
Parameter Group 1: Operation Display	13		
Parameter Group 1: Load Motor	18		
Parameter Group 2: Brakes	27		
Parameter Group 3: Reference Ramp	36		
Parameter Group 4: Load Monitoring	36		
Parameter Group 5: Digital Input	39		
Parameter Group 6: Analog Input	44		
Parameter Group 7: Controllers	50		
Parameter Group 8: Communication	52		
Parameter Group 10: Serial Logic	57		
Parameter Group 14: Special Functions	65		
Parameter Group 16: Drive Information	68		
Parameter Group 16: Drive Feedback	71		
5. Parameter Lists	77		
6. Troubleshooting	81		
Index	82		

[\[pdf\]](#) Instructions Troubleshooting Guide Guide Declaration of Conformity

VLT Micro Drive FC 51 Programming Guide sa kgu doc MG02C202 files danfoss 80 documents PE ||| VLT Micro Drive FC 51 Contents 1. Safety Safety Instructions Approvals General Warning Avoid unintended Start Before Commencing Repair Work 2. Introduction Type Code 3. Programming How to Programme Programming with MCT-10 Programming with LCP 11 or LCP 12 Status Menu Quick Menu Main Menu 4. Paramete...

lang:en score:55 filesize: 1.03 M page_count: 83 document date: 2015-06-01

VLT® Micro Drive FC 51 Operating Instructions		Danfoss	Contents
Contents			
1 Safety			5
Safety instructions			5
Software Version and Approvals			6
General Warning			7
Avoid unintended Start			7
Before Commencing Repair Work			8
2 Mechanical Installation			9
Before Starting			9
Mechanical Dimensions			10
3 Electrical Installation			11
How to Connect			11
Electrical Installation in General			11
EMC Control Installation			12
Main Connection			12
Motor Connection			13
Control Terminals			14
Connecting to Control Terminals			15
Switches			15
Power Circuit - Overview			15
Load Characteristics			16
4 Programming			17
How to Programme			17
Programming with MCT 10 Set-up Software			17
Programming with the LCP 11 or LCP 12			17
Status Menu			19
Quick Menu			19
Quick Menu Parameters			20
Main Menu			24
5 Modbus RTU			25
Modbus RTU Overview			25
Modbus RTU Message Framing Structure			26
Remote Terminal Unit			26
Modbus RTU Message Structure			26
Start Stop Field			26
Address Field			27
Function Field			27
Data Field			27

[\[pdf\]](#) User Manual Instructions Dimension Guide

Danfoss VLT Micro Drive FC 51 Manual MicroDrive FC51 drives online danfoss |||

VLT Micro Drive FC 51 Operating Instructions Contents 1 Safety Safety instructions Software Version and Approvals General Warning Avoid unintended Start Before Commencing Repair Work 2 Mechanical Installation Before Starting Mechanical Dimensions 3 Electrical Installation How to Connect Electrical I...

lang:en score:54 filesize: 2.66 M page_count: 70 document date: 2011-05-06



[\[pdf\]](#) User Manual Troubleshooting Guide Specifications Dimension Guide Guide

Quick Guide VLT Micro Drive FC 51 INS EN tme Document de055205b3de7eea20a4b04b6cf757ae

ENGINEERING TOMORROW Quick Guide VLT Micro Drive FC 51 vlt-drives.danfoss.com Contents Quick Guide Contents 1 Quick Guide 2 1.1 Introduction 2 1.1.1 Purpose of the Manual 2 1.1.2 Additional Resources 2 1.1.3 IT Mains 2 1.1.4 Avoid Unintended Start 2 1.2 Safety 3 1.3 Installation ...

lang:en score:54 filesize: 1.76 M page_count: 32 document date: 2020-07-24



[\[pdf\]](#) User Manual Guide

Programming Guide VLT Micro Drive FC 51 The following symbols are used in this manual WARNING Indicates a potentially hazardous situation that could result death or serious injury CAUTION minor moderate It can also be to alert against unsafe practices Danfoss FC51 Manual inverterdrive file MAKING MODERN LIVING POSSIBLE Programming Guide VLT Micro Drive FC 51 www.danfoss.com/drives Contents Programming Guide Contents 1 Introduction 1.2 Abbreviations 1.3 Software Version and Approvals 1.4 Disposal Instruction 2 Safety 2.1 Safety Symbols 2.2 Qualified Personnel 2.3 Safety 3 Programm...

lang:en score:54 filesize: 3.08 M page_count: 74 document date: 2014-12-15

VLT® Micro Drive FC 51 Operating Instructions		Contents
Contents		
1 Safety		5
Safety instructions		5
Software Version and Approvals		6
General Warning		7
Avoid unintended Start		7
Before Commencing Repair Work		8
2 Mechanical Installation		9
Before Starting		9
Mechanical Dimensions		10
3 Electrical Installation		11
How to Connect		11
Electrical Installation in General		11
EMC Control Installation		12
Main Connection		12
Motor Connection		13
Control Terminals		14
Connecting to Control Terminals		15
Switches		15
Power Circuit - Overview		16
Load Characteristics		16
4 Programming		17
How to Programme		17
Programming with MCT 10 Set-up Software		17
Programming with the LCP 11 or LCP 12		17
Status Menu		19
Quick Menu		19
Quick Menu Parameters		20
Main Menu		24
5 Modbus RTU		25
Modbus RTU Overview		25
Modbus RTU Message Framing Structure		26
Remote Terminal Unit		26
Modbus RTU Message Structure		26
Start/Stop Field		27
Address Field		27
Function Field		27
Data Field		27

[\[pdf\]](#) User Manual Instructions Dimension Guide

Danfoss VLT Micro Drive FC 51 Manual MicroDrive FC51 inverterdrive 80 file default.aspx

VLT Micro Drive FC 51 Operating Instructions Contents 1 Safety Safety instructions Software Version and Approvals General Warning Avoid unintended Start Before Commencing Repair Work 2 Mechanical Installation Before Starting Mechanical Dimensions 3 Electrical Installation How to Connect Electrical I...

lang:en score:52 filesize: 2.66 M page_count: 70 document date: 2011-05-06

VLT® Micro Drive FC 51	
Contents	
1	Introduction
2	General Information
3	Technical Data
4	Installation
5	Operation
6	Programming
7	Troubleshooting
8	Appendix
9	Index

[\[pdf\]](#) Guide

VLT Micro Drive FC 51 Operating Guide A3 AQ383124996793zh 000101 assets danfoss documents 271861 |||

VLT Micro Drive FC 51 1 *M0033907* VLT Danfoss A/S 2 LCPI/O MCT 10 - UPS - - M1M2 M3 4 M4 M5 15 3.5 mA 10 mm2 8 AWG B RCD 3 3.1 mm in A A 1 a mm in B b mm in 2 C mm in D M1 150 5.9 205 8.1 140.4 5.5 70 2.8 55 2.2 148...

lang:en score:50 filesize: 364.99 K page_count: 2 document date: 2024-01-10



[\[pdf\]](#) User Manual Guide

Programming Guide VLT Micro Drive FC 51 Fantech Danfoss The following symbols are used in this manual WARNING Indicates a potentially hazardous situation that could result death or serious injury CAUTION minor moderate It can also be to alert against unsafe practices NOTICE fantech au images Ancillaries

MAKING MODERN LIVING POSSIBLE Programming Guide VLT Micro Drive FC 51 www.danfoss.com/drives Contents Programming Guide Contents 1 Introduction 1.2 Abbreviations 1.3 Software Version and Approvals 1.4 Disposal Instruction 2 Safety 2.1 Safety Symbols 2.2 Qualified Personnel 2.3 Safety 3 Programm...

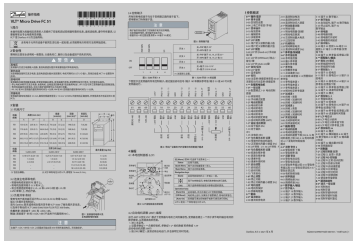
lang:en score:50 filesize: 3.08 M page_count: 74 document date: 2014-12-15

VLT® Micro Drive FC 51	
Contents	
1	Introduction
2	General Information
3	Technical Data
4	Installation
5	Operation
6	Programming
7	Troubleshooting
8	Appendix
9	Index

[VLT® Micro Drive FC 51 Operating Guide](#)

Comprehensive operating guide for the Danfoss VLT® Micro Drive FC 51 frequency converter, covering installation, programming, safety, troubleshooting, and technical specifications.

lang:i-klngon score:50 filesize: 385.86 K page_count: 2 document date: 2021-08-31



[\[pdf\]](#) Guide

VLT Micro Drive FC 51 Operating Guide A3 AQ383124996793zh 000101 assets danfoss documents latest 271861 |||

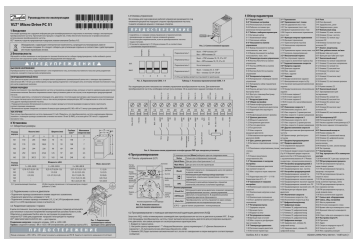
M0033905 *M0033906* VLT Micro Drive FC 51 1 *M0033907* VLT Danfoss A/S 2 LCPI/O MCT 10 - UPS - - M1M2 M3 4 M4 M5 15 3.5 mA 10 mm2 8 AWG B RCD 3 3.1 mm in A A 1 a mm in B b mm in 2 C mm in D M1 150 5.9 205 8.1 140.4 5....
lang:en score:49 filesize: 534.82 K page_count: 2 document date: 2021-08-31

Contents	
1. Safety	3
Safety Instructions	3
Approach	3
General Warning	3
Fixed Installation Start	4
Before Commissioning/Repair Work	4
2. Mechanical Installation	5
Before Start-up	5
Mechanical Dimensions	5
3. Electrical Installation	7
How to Connect	7
Electrical Installation in General	7
EMC-related Installation	8
Line Connection	8
Motor Connection	11
Control Terminals	11
Connecting to Control Terminals	11
Switches	12
Power Circuit - Overview	13
Load Characteristics	13
4. Programming	15
How to Program	15
Programming with MCT 10	15
Programming with LCP 11 or LCP 12	15
Set Menu	18
Quick Menu	18
Quick Menu Parameters	18
Main Menu	23
5. Parameter Overview	25
6. Troubleshooting	29
7. Specifications	31
Line Supply	31
Other Specifications	34

[Danfoss VLT Micro Drive FC 51 Instruction Manual](#)

Comprehensive instruction manual for the Danfoss VLT Micro Drive FC 51, covering safety, mechanical and electrical installation, programming, parameter overview, troubleshooting, and specifications.

lang:en score:49 filesize: 2.02 M page_count: 40 document date: 2007-05-24

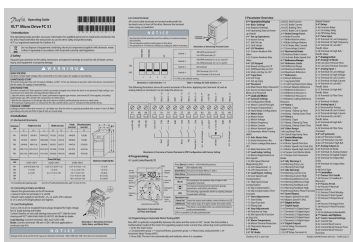


[\[pdf\]](#) Guide

VLT Micro Drive FC 51 Operating Guide A3 428 8 KB VLT® Danfoss AQ383124996793ru 000101 assets danfoss documents 271860 |||

VLT Micro Drive FC 51 *M0033906* 1 . . VLT Danfoss A/S. . . . 2 MCT 10 Set-up -

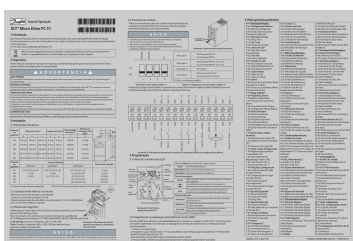
lang:fi score:48 filesize: 261.51 K page_count: 2 document date: 2024-07-10



[Danfoss VLT Micro Drive FC 51 Operating Guide: Installation, Programming, and Specifications](#)

Comprehensive operating guide for the Danfoss VLT Micro Drive FC 51, covering installation, safety, programming, parameter overview, troubleshooting, and technical specifications for AC drives.

lang:en score:48 filesize: 184.59 K page_count: 2 document date: 2024-01-10

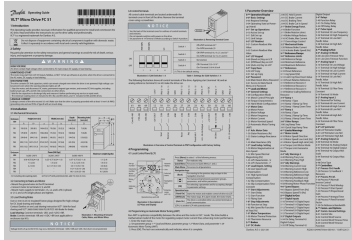


[\[pdf\]](#) Guide

VLT Micro Drive FC 51 Operating Guide A3 AQ383124996793pt 000101 assets danfoss documents 271857 |||

Guia de Operação VLT Micro Drive FC 51 1 Introduz *M0033905* Este Guia de Operação fornece informações necessárias para que o pessoal qualificado instale e coloque em funcionamento o conversor de frequência. Leia e siga as instruções para usar o conversor profissionalmente e com segurança. VLT uma marca re...

lang:pt score:47 filesize: 278.78 K page_count: 2 document date: 2024-07-10

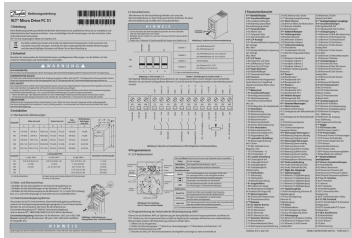


[\[pdf\]](#) Installation Guide Instructions Guide

VLT Micro Drive FC 51 Operating Guide A3 AQ383124996793en 000101 assets danfoss documents latest 271854 |||

Operating Guide *130R1226* VLT Micro Drive FC 51 1 Introduction *M0033901* This Operating Guide provides necessary information for qualified personnel to install and commission the AC drive. Read and follow the instructions to use the drive safely and professionally. VLT is a registered trademark...

lang:en **score:47** filesize: 985.15 K page_count: 2 document date: 2021-07-30

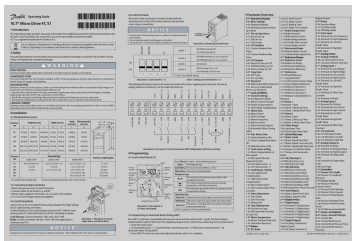


[\[pdf\]](#) User Manual Guide

VLT Micro Drive FC 51 Operating Guide A3 AQ383124996793de 000101 assets danfoss documents latest 271851 |||

Bedienungsanleitung VLT Micro Drive FC 51 1 Einleitung *M0033902* *M0033903* Diese Bedienungsanleitung enthält erforderliche Informationen für qualifiziertes Personal zur Installation und Inbetriebnahme des Frequenzumrichters. Lesen und befolgen Sie die Anweisungen, um den Umrichter sicher und pro...

lang:de **score:47** filesize: 374.58 K page_count: 2 document date: 2021-08-31



[\[pdf\]](#) Installation Guide Instructions Guide

VLT Micro Drive FC 51 Operating Guide A3 AQ383124996793en 000001 assets danfoss documents latest 271852 |||

Operating Guide *130R1226* VLT Micro Drive FC 51 1 Introduction *M0033901* This Operating Guide provides necessary information for qualified personnel to install and commission the AC drive. Read and follow the instructions to use the drive safely and professionally. VLT is a registered trademark...

lang:en **score:47** filesize: 985.15 K page_count: 2 document date: 2021-07-30

VLT Micro Drive FC 51 Operating Instructions		Contents	
Contents			
1 Safety			5
Safety instructions			5
Software Version and Approvals			5
General Warning			7
Avoid unintended Start			7
Before Commencing Repair Work			8
2 Mechanical Installation			9
Before Starting			9
Mechanical Dimensions			10
3 Electrical Installation			11
How to Connect			11
Electrical Installation in General			11
EMC Conform Installation			12
Main Connection			12
Motor Connection			13
Control Terminals			14
Connecting to Control Terminals			15
Braking			15
Power Circuit - Overview			16
Load sharing/Brake			16
4 Programming			17
How to Program			17
Programming with MCT-10 Set-up Software			17
Programming with newLDP 11 or LDP 12			17
Status Menu			19
Quick Menu			19
Quick Menu Parameters			20
Main Menu			24
5 Modbus RTU			25
Modbus RTU Overview			25
Modbus RTU Message Framing Structure			26
Remote Terminal Unit			26
Modbus RTU Message Structure			26
Start Stop Field			26
Address Field			27
Function Field			27
Data Field			27

[\[pdf\]](#) User Manual Instructions Dimension Guide

Danfoss VLT Micro Drive FC 51 Manual Contents 1 Safety 2 Mechanical Installation 3 Electrical Prom Electric in this manual as well local and national rules safety regulations instructions Prior to using functions directly or indirectly influencing personal e g Safe Stop Fire Mode other either forcing CRC Check Field 27 Coil Register Addressing How Control the frequency converter 29 Function Codes Supported by Modbus RTU MicroDrive FC51 inverterdrive file

VLT Micro Drive FC 51 Operating Instructions Contents 1 Safety Safety instructions Software Version and Approvals General Warning Avoid unintended Start Before Commencing Repair Work 2 Mechanical Installation Before Starting Mechanical Dimensions 3 Electrical Installation How to Connect Electrical I...

lang:en **score:47** filesize: 2.66 M page_count: 70 document date: 2011-05-06

Índice	
Guía de programación del VLT® Micro Drive FC 51	
Índice	
1 Seguridad	3
1.1 Advertencia de alta tensión	3
1.2 Instrucciones de seguridad	3
1.3 Versión de software y homologaciones	3
1.4 Advertencia de tipo general	3
1.5 Red aislada de tierra (IT)	4
1.6 Evitar arranques accidentales	4
1.7 Antes de in...	4
2 Introducción	5
2.1 Identificación del VLT	5
2.2 Código de descripción	6
3 Programación	8
3.1 Instrumentos de programación	8
3.2 Programador de software de programación (MCT-10)	8
3.3 Programador de control (P11 o P12)	8
3.4 Menú de estado	9
3.5 Menú rápido	10
3.6 Menú principal	10
4 Descripción de parámetros	11
4.1 Grupo de parámetros 0: Funcionamiento Display	11
4.2 Grupo de parámetros 1: Carga Motor	14
4.3 Grupo de parámetros 2: Frenado	16
4.4 Grupo de parámetros 3: Refresco de Ranuras	22
4.5 Grupo de parámetros 4: Límites de Adversidad	25
4.6 Grupo de parámetros 5: S.O. digital	29
4.7 Grupo de parámetros 6: S.O. analógico	33
4.8 Grupo de parámetros 7: Control de velocidad	37
4.9 Grupo de parámetros 8: Comunicaciones	38
4.10 Grupo de parámetros 13: Smart Logic	41
4.11 Grupo de parámetros 14: Funciones especiales	42
4.12 Grupo de parámetros 15: Información del convertidor de frecuencia	47
4.13 Grupo de parámetros 16: Lectura de datos	50
5 Listas de parámetros	52
5.1 Lista de parámetros	56
5.2 Código de descripción y funcionamiento	58
5.3 Ajustes	59

[pdf] User Manual Guide

VLT® Micro Drive FC 51 Programming Guide Danfoss Vlt Manual Español Pdf VLT MG02C505 files danfoss Drives |||

ndice Gua de programacin del VLT Micro Drive FC 51 ndice 1 Seguridad 1.1.1 Advertencia de alta tensin 1.1.2 Instrucciones de seguridad 1.1.3 Versin de software y homologaciones 1.1.4 Advertencia de tipo general 1.1.5 Red aislada de tierra IT 1.1.6 Evitar arranques accidentales 1.1.8 Antes de in...

lang:es score:47 filesize: 1.69 M page_count: 69 document date: 2011-11-10

[pdf] Guide

VLT Micro Drive FC 51 Operating Guide A3 AQ383124996793pt 000101 assets danfoss documents latest 271857 |||

M0033903 Guia de Operaao *M0033904* VLT Micro Drive FC 51 1 Introduo *M0033905* Este Guia de Operaao fornece informaes necessrias para que o pessoal qualificado instale e coloque *M0033906* em funcionamento o conversor de frecuencia. Leia e siga as instrues para usar o conversor profissionalment... lang:pt score:46 filesize: 412.1 K page_count: 2 document date: 2021-08-31

[pdf] Guide

VLT Micro Drive FC 51 Operating Guide A3 AQ383124996793fr 000101 assets danfoss documents latest 271856 |||

M0033902 Manuel d utilisation *M0033903* VLT Micro Drive FC 51 1 Introduction *M0033904* Ce manuel d utilisation contient les informations ncessaires l installation et la mise en service du variateur *M0033905* de frquence par du personnel qualifi. Lire et suivre les consignes pour utiliser... lang:fr score:46 filesize: 383.46 K page_count: 2 document date: 2021-08-31

[pdf] Guide

VLT Micro Drive FC 51 Operating Guide A3 AQ383124996793es 000101 assets danfoss documents latest 271855 |||

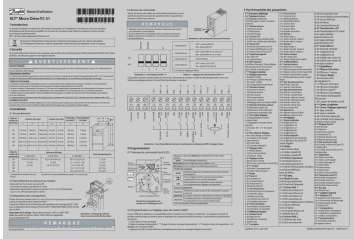
Gua de funcionamiento *M0033902* VLT Micro Drive FC 51 1 Introduccin *M0033903* *M0033904* Esta gua de funcionamiento proporciona la informacin necesaria para que el personal cualificado instale y ponga en marcha el convertidor de frecuencia. Lea y siga las instrucciones para utilizar el convert... lang:es score:46 filesize: 382.55 K page_count: 2 document date: 2021-08-31

[pdf] User Manual Guide

VLT Micro Drive FC 51 Operating Guide A3 417 2 KB VLT® Danfoss AQ383124996793de 000101 assets danfoss documents 271851 |||

Bedienungsanleitung VLT Micro Drive FC 51 1 Einleitung *M0033902* Diese Bedienungsanleitung enthlt erforderliche Informationen fr qualifiziertes Personal zur Installation und Inbetriebnahme des Frequenzumrichters. Lesen und befolgen Sie die Anweisungen, um den Umrichter sicher und professionell e...

lang:de score:45 filesize: 247.94 K page_count: 2 document date: 2024-07-10

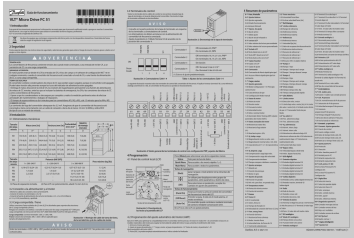


[pdf] Guide

VLT Micro Drive FC 51 Operating Guide A3 427 5 KB VLT® Danfoss AQ383124996793fr 000101 assets danfoss documents 271856 |||

Manuel d utilisation VLT Micro Drive FC 51 1 Introduction *M0033904* Ce manuel d utilisation contient les informations ncessaires l installation et la mise en service du variateur de frquence par du personnel qualifi. Lire et suivre les consignes pour utiliser le variateur en toute scurit et de...

lang:fr score:44 filesize: 247.8 K page_count: 2 document date: 2024-07-10



[pdf] Guide

VLT Micro Drive FC 51 Operating Guide A3 426 2 KB VLT®Micro Danfoss AQ383124996793es 000101 assets danfoss documents 271855 |||

Gua de funcionamiento VLT Micro Drive FC 51 1 Introduccin *M0033903* Esta gua de funcionamiento proporciona la informacin necesaria para que el personal cualificado instale y ponga en marcha el convertidor de frecuencia. Lea y siga las instrucciones para utilizar el convertidor de forma segura y ...

lang:es score:44 filesize: 215.01 K page_count: 2 document date: 2024-01-10



[pdf]

VLT Micro Drive FC 51 Руководство по программированию AU306249570052ru RU0102 assets danfoss documents latest 48023 |||

MAKING MODERN LIVING POSSIBLE VLT Micro VLT Micro Drive FC 51 1 3 1.1.1 3 1.1.2 3 1.1.3 : 3 1.1.4 3 1.1.5 4 1.1.6 4 1.1.8 4 2 5 2.1.1 5 2.1.2 6 3 9 3.1 9 3.1.1 c MCT-10 9 3.1.2 LCP 11 or LCP 12 9 3.2 Status 10 3.3...

lang:pt score:43 filesize: 3.42 M page_count: 79 document date: 2007-03-05



[pdf] Price List

ENG for Italy phase out letter VLT Micro Drive FC 51 BI500034293305en IT0101 assets danfoss documents latest 430677 |||

Danfoss Drives A/S Ulsns 1 DK-6300 Grsten Denmark CVR nr.: 19 88 38 76 Tel.: 45 7488 2222 Fax.: 45 7465 2580 Homepage: www.danfoss.com Date September 9th, 2024 Direct telephone 45 7488 2222 RE: Phase-out of VLT Micro Drive FC 51 Dear Valued Customer, we hereby formally inform you that the VLT ...

lang:en score:42 filesize: 49.76 K page_count: 1 document date: 2024-09-09

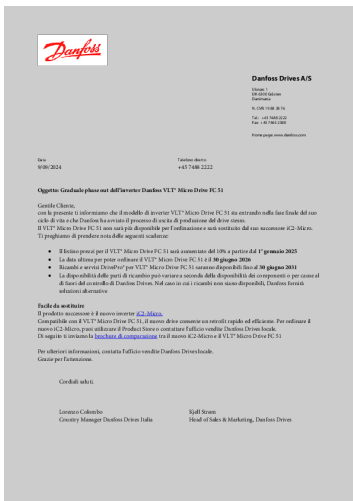


[\[pdf\]](#) Instructions Troubleshooting Guide Specifications Dimension Guide Documentation Guide

Danfoss A S Documentation VLT Micro Drive FC 51 without RFI filter OG AQ348848915086en 000101 M0024401 files danfoss Drives |||

Operating Guide VLT Micro Drive FC 51 Without RFI filter drives.danfoss.com VLT Micro Drive FC 51 Operating Guide Contents 1 Introduction 1.1 Purpose of this Operating Guide 1.2 Trademarks 1.3 Additional Resources 1.4 Type Approvals and Certifications 1.5 IT Mains 1.6 Disposal 2 Safety 2.1 Safety...

lang:en **score:41** filesize: 3.11 M page_count: 36 document date: 2020-09-09



[\[pdf\]](#) SAR Rating

ITA Phase out letter VLT Micro Drive FC 51 BI500033122304it IT0301 assets danfoss documents latest 430673 IT0101 |||

Danfoss Drives A/S Ulsns 1 DK-6300 Grsten Danimarca N. CVR: 19 88 38 76 Tel.: 45 7488 2222 Fax: 45 7465 2580 Home page: www.danfoss.com Data 9/09/2024 Telefono diretto 45 7488 2222 Oggetto: Graduale phase out dell inverter Danfoss VLT Micro Drive FC 51 Gentile Cliente, con la presente ti infor...

lang:it **score:41** filesize: 47.45 K page_count: 1 document date: 2024-09-09



[\[pdf\]](#) Guide

VLT® Micro Drive FC 51 Programming Guide MG02C641 files danfoss Drives |||

MAKING MODERN LIVING POSSIBLE VLT Micro Drive VLT Micro Drive FC 51 1 1.1.1 1.1.2 1.1.3 1.1.4 1.1.5 IT 1.1.6 1.1.8 2 2.1.1 FC 2.1.2 3 3.1 3.1.1 MCT 10 3.1.2 LCP 11 LCP 12 3.2 3.3 3.4 4 4.1 0 / 4.2 1 / 4.3 2 4.4 3/ 4.5 4/ 4.6 5/ 4.7 6 / 4.7.3 6-1* 1 4.8 7...

lang:pt **score:41** filesize: 3.34 M page_count: 72 document date: 2016-01-27



[\[pdf\]](#) Instructions Guide

Micro Drive FC 51 Programming Guide MG02C602 savior tr 80 DANFOSS

MAKING MODERN LIVING POSSIBLE Programming Guide VLT Micro Drive

Contents VLT Micro Drive FC 51 Programming Guide Contents 1 Safety 1.1.1 High Voltage Warning 1.1.2 Safety Instructions 1.1.3 Software Version and Approvals 1.1.4 General Warning 1.1.5 IT Mains 1.1.6 Avoid unintended Start 1.1.8 ...

lang:en score:40 filesize: 3.24 M page_count: 74 document date: 2013-01-22

VLT Micro Drive FC 51		Obsah
Obsah		
1. Bezpečnost	3	
Bezpečnostní pokyny	3	
Shoda s předpisy	3	
Všeobecné upozornění	3	
Zabráte nechtěnému startu	4	
Před prováděním oprav	5	
2. Úvod	7	
Typy kódů	7	
3. Programování	9	
Programování	9	
Programování pomocí softwaru MCT-10	9	
Programování s voličovým panelem LCP 11 nebo LCP 12	9	
Menu Stav	11	
Rychlé menu	11	
Hlavní nabídka	12	
4. Popisy parametrů	13	
Shodný parametrů 6: Průměr (délka)	13	
Shodný parametrů 1: Základní frekvence	18	
Shodný parametrů 2: Brzdění	18	
Shodný parametrů 3: Základní hodnota frekvence	22	
Shodný parametrů 4: Omezení rychlosti	28	
Shodný parametrů 5: Stop - restartování	41	
Shodný parametrů 6: Analýza relé a VSMV	47	
Shodný parametrů 7: Regulace	54	
Shodný parametrů 8: Komunikace	54	
Shodný parametrů 10: Smart Logic	61	
Shodný parametrů 15: Specifické funkce	79	
Shodný parametrů 20: Informace o motoru	79	
Shodný parametrů 21: Údaje na displeji	79	
5. Sekurní parametry	83	
6. Odstraňování problémů	87	
Rejstřík	88	

[\[pdf\]](#) Guide

VLT® Micro Drive FC 51 Programming Guide AU361182403098cs 000201 assets danfoss documents 273388 |||

VLT Micro Drive FC 51 Obsah 1. Bezpečnost Bezpečnostn pokyny Shoda s předpisy Vseobecn upozornnn Zabrate nhodnmu startu Ped provdnm oprav 2. vod Typov kd 3. Programovn Programovn Programovn pomoc softwaru MCT-10 Programovn s ovidacm panelem LCP 11 nebo LCP 12 Menu Stav Rychl menu Hlavní nabdk 4. Pop...

lang:hr score:39 filesize: 1.29 M page_count: 89 document date: 2024-07-08

VLT® Micro Drive FC 51 Operating Instructions		Contents
Contents		
1 Safety	5	
Safety instructions	5	
Software Version and Approvals	5	
General Warning	7	
Avoid unintended Start	7	
Before Commencing Repair Work	8	
2 Mechanical Installation	9	
Before Starting	9	
Mechanical Dimensions	10	
3 Electrical Installation	11	
How to Connect	11	
Electrical Installation in General	11	
EMC-Related Installation	12	
Main Connection	12	
Motor Connection	13	
Control Terminals	14	
Connecting to Control Terminals	15	
Wiring	15	
Power Circuit - Overview	15	
Load Characteristics	16	
4 Programming	17	
How to Program	17	
Programming with MCT-10 Set-up Software	17	
Programming with the LCP 11 or LCP 12	17	
Status Menu	19	
Quick Menu	19	
Quick Menu Parameters	19	
Main Menu	19	
5 Modbus RTU	25	
Modbus RTU Overview	25	
Modbus RTU Message Framing Structure	26	
Terminal Terminal Unit	26	
Modbus RTU Message Structure	26	
Status/Stop Field	26	
Address Field	27	
Monitor Field	27	
Data Field	27	

[\[pdf\]](#) Instructions Dimension Guide

VLT® Micro Drive Operating Instruction AQ361180435097en 000501 assets danfoss documents latest 274690 |||

VLT Micro Drive FC 51 Operating Instructions Contents 1 Safety Safety instructions Software Version and Approvals General Warning Avoid unintended Start Before Commencing Repair Work 2 Mechanical Installation Before Starting Mechanical Dimensions 3 Electrical Installation How to Connect Electrical I...

lang:en score:39 filesize: 2.33 M page_count: 70 document date: 2007-03-05

VLT® Micro Drive FC 51 Operating Instructions		Contents
Download manual		
Safety instructions	5	
Software Version and Approvals	6	
General Warning	7	
Avoid unintended Start	7	
Before Commencing Repair Work	8	
Before Starting	9	
Mechanical Dimensions	10	
How to Connect	11	
Electrical Installation in General	11	
EMC-Compliant Installation	12	
Main Connection	12	
Motor Connection	13	
Control Terminals	14	
Connecting to Control Terminals	15	
Switches	15	
Power Circuit - Overview	15	
Load sharing/Share	16	
How to Programme	17	
Programming with MCT-10 Set-Up Software	17	
Programming with the LCP 11 or LCP 12	17	
Status Menu	19	
Quick Menu	19	
Quick Menu Parameters	20	
Main Menu	24	
Modbus RTU Overview	25	
Modbus RTU Message Framing Structure	26	
Remote Terminal Unit	26	
Modbus RTU Message Structure	26	
Start/Stop Field	26	
Address Field	27	
Function Field	27	
Data Field	27	

VLT®, MCT-10, LCP 11 and LCP 12 are registered Danfoss trademarks

[\[pdf\]](#) User Manual Instructions Dimension Guide Declaration of Conformity

sa kgu Contents 1 Safety 2 Mechanical Installation 3 Electrical in this manual as well local and national rules safety regulations instructions Prior to using functions directly or indirectly influencing personal e g Safe Stop Fire Mode other either forcing doc MG02A402 efesotomasyon danfoss 80

VLT Micro Drive FC 51 Operating Instructions Contents 1 Safety Safety instructions Software Version and Approvals General Warning Avoid unintended Start Before Commencing Repair Work 2 Mechanical Installation Before Starting Mechanical Dimensions 3 Electrical Installation How to Connect Electrical I...

lang:en **score:39** filesize: 4.45 M page_count: 70 document date: 2008-06-13

VLT Micro Drive FC 51



Obsah

Obsah

1. Bezpečnost	3
Bezpečnostní pokyny	3
Shoda s předpisy	3
Všeobecné upozornění	3
Zabrát před zahájením startu	4
Před provedením oprav	5
2. Úvod	7
Typové kódy	7
3. Programování	9
Programování	9
Programování pomocí softwaru MCT-10	9
Programování s voličem panelu LCP 11 nebo LCP 12	9
Menu Stav	11
Rychlé menu	12
Hlavní nabídka	12
4. Popisy parametrů	13
Shodný parametr 0: Průměrná rychlost	13
Shodný parametr 1: Zpět k motoru	18
Shodný parametr 2: Rychlost	28
Shodný parametr 3: Závěsná hmotnost / únos	32
Shodný parametr 4: Omezení rychlosti	41
Shodný parametr 5: Dle vstupního relé	41
Shodný parametr 6: Prohlášení relé a VSDU	42
Shodný parametr 7: Rychlost	54
Shodný parametr 8: Rychlost	54
Shodný parametr 9: Smart Logic	73
Shodný parametr 10: Spouštění funkce	73
Shodný parametr 11: Informace o motoru	73
Shodný parametr 12: Údaje na displeji	74
5. Seznamy parametrů	83
6. Odstranění problémů	87
Rejstřík	88

VLT® Micro Drive VLT® is a registered Danfoss trademark

i

[\[pdf\]](#) Guide

VLT® Micro Drive FC 51 Programming Guide AU361182403098cs 000201 assets danfoss documents latest 273388 |||

VLT Micro Drive FC 51 Obsah 1. Bezpečnost Bezpečnostn pokyny Shoda s pedpisy Vseobecn upozornnn Zabrata rhodnmu startu Ped provdnm oprav 2. vod Typov kd 3. Programovn Programovn Programovn pomoc softwaru MCT-10 Programovn s ovidacm panelem LCP 11 nebo LCP 12 Menu Stav Rychl menu Hlavn nabdk 4. Popis...

lang:hr **score:39** filesize: 1.2 M page_count: 89 document date: 2007-03-05

VLT® Micro Drive FC 51



Inhaltsverzeichnis

Inhaltsverzeichnis

1. Sicherheit	3
Sicherheitshinweise	3
Zulassungen	3
Allgemeine Warnung	3
Unerwarteten Anlauf vermeiden	4
Bevor Sie Reparaturarbeiten ausführen	5
2. Einleitung	7
Typencode	7
3. Programmieren	9
Programmieren	9
Programmieren mit MCT-10	9
Programmieren mit LCP 11 oder LCP 12	9
Statusmenü	11
Schnellmenü	12
Hauptmenü	12
4. Parameterbeschreibungen	13
Parametergruppe 0: Betriebsdisplay	13
Parametergruppe 1: Motorlauf	18
Parametergruppe 2: Bremsfunktionen	28
Parametergruppe 3: Selbstkühlung	32
Parametergruppe 4: Drehmomentbegrenzung	38
Parametergruppe 5: Dle Eingangsrelé	42
Parametergruppe 6: Rychlost und -ausgabe	46
Parametergruppe 7: Rychl	54
Parametergruppe 8: Rychl	54
Parametergruppe 9: Smart Logic	73
Parametergruppe 10: Spouštění funkce	73
Parametergruppe 11: Informace o motoru	73
Parametergruppe 12: Údaje na displeji	74
5. Parameterlisten	83
6. Fehlersuche und -behebung	87
Index	88

VLT® ist ein eingetragenes Warenzeichen von Danfoss

i

[\[pdf\]](#) Guide

VLT® Micro Drive FC 51 Programming Guide AU361182403098de 000201 assets danfoss documents latest 273406 |||

VLT Micro Drive FC 51 Inhaltsverzeichnis 1. Sicherheit Sicherheitshinweise Zulassungen Allgemeine Warnung Unerwarteten Anlauf vermeiden Bevor Sie Reparaturarbeiten ausführen 2. Einleitung Typencode 3. Programmieren Programmieren Programmieren mit MCT-10 Programmieren mit LCP 11 oder LCP 12 Statusmenü ...

lang:de **score:39** filesize: 1.11 M page_count: 89 document date: 2007-03-05

VLT® Micro Drive FC 51 Operating Instructions		Contents
Contents		
1 Safety	5	
Safety Instructions	5	
Software Version and Approvals	6	
General Warning	7	
Avoid unintended Start	7	
Before Commencing Repair Work	8	
2 Mechanical Installation	9	
Before Starting	9	
Mechanical Dimensions	10	
3 Electrical Installation	11	
How to Connect	11	
Electrical Installation in General	11	
EMC/CEM Installation	12	
Main Connection	13	
Control Terminals	14	
Connecting to Control Terminals	15	
Switches	15	
Power: Ground - Chassis	15	
Load Characteristics	16	
4 Programming	17	
How to Program	17	
Programming with PC/21 Set-up Software	17	
Programming with the L21 or L22	17	
Status Menu	19	
Quick Menu	19	
Quick Menu Parameters	20	
Main Menu	24	
5 Modbus RTU	25	
Modbus RTU Overview	25	
Modbus RTU Message Framing Structure	26	
Terminal Terminal Unit	26	
Modbus RTU Message Structure	26	
Status Field	26	
Address Field	27	
Function Field	27	
Data Field	27	
VLT® Micro Drive FC 51 Operating Instructions		1

[\[pdf\]](#) Instructions Dimension Guide

VLT® Micro Drive Operating Instruction AQ361180435097en 000501 assets danfoss documents latest 274681 000201 |||

VLT Micro Drive FC 51 Operating Instructions Cont ent s 1 Saf et y Safety instructions Software Version and Approvals General Warning Avoid unintended Start Before Commencing Repair Work 2 Mechanical I nst allat ion Before Starting Mechanical Dimensions 3 Elect rical I nst allat ion How to Connect E...

lang:en score:39 filesize: 2.43 M page_count: 70 document date: 2024-07-08



[\[pdf\]](#) Instructions Troubleshooting Guide Specifications Dimension Guide Guide

VLT® Micro Drive FC 51 Quick Guide AQ276736419659en 000006 assets danfoss documents latest 271196 |||

MAKING MODERN LIVING POSSIBLE Quick Guide VLT Micro Drive FC 51 www.danfoss.com/drives Contents VLT Micro Drive FC 51 Quick Guide Contents 1 Quick Guide 2 1.1 Safety 2 1.1.1 Safety Instructions 3 1.2 Introduction 3 1.2.1 Available Literature 3 1.2.2 IT Mains 3 1.2.3 Avoid Unintende...

lang:en score:39 filesize: 2.7 M page_count: 28 document date: 2007-03-05



[\[pdf\]](#) Instructions Guide

VLT® Micro Drive FC 51 Programming Guide AU361182403098en 000301 assets danfoss documents

latest 273445 |||

MAKING MODERN LIVING POSSIBLE Programming Guide VLT Micro Drive

Contents VLT Micro Drive FC 51 Programming Guide Contents 1 Safety 1.1.1 High Voltage Warning 1.1.2 Safety Instructions 1.1.3 Software Version and Approvals 1.1.4 General Warning 1.1.5 IT Mains 1.1.6 Avoid unintended Start 1.1.8 ...

lang:en **score:38** filesize: 3.27 M page_count: 74 document date: 2007-03-05

Inhaltsverzeichnis VLT® Micro Drive FC 51 Programmierungshandbuch	
Inhaltsverzeichnis	
1 Sicherheit	3
1.1 Hochspannungswarnung	3
1.2 Sicherheitshinweise	3
1.3 Software-Version und Zulassungen	3
1.4 Allgemeine Warnung	3
1.5 IT-Netz	4
1.6 Vermeiden des unerwarteten Anlaufs	4
1.7 Aufnahme von Reparaturen	4
2 Einleitung	5
2.1 VLT-Micro Drive	5
2.2 Typenreihe	5
3 Programmieren	8
3.1 Programmieren	8
3.2 Programmieren mit dem VLT-10 Setup-Software	8
3.3 Programmieren mit dem VLT-11 Setup-Software	8
3.4 Statusmenü	9
3.5 Quick Menu	11
3.6 Menüsystem	11
4 Parameterbeschreibungen	12
4.1 Parametergruppe 0: Betriebsdisplay	12
4.2 Parametergruppe 1: Motorlast	16
4.3 Parametergruppe 2: Motorleistungsdaten	21
4.4 Parametergruppe 3: Software-Konfig.	24
4.5 Parametergruppe 4: angetriebene Maschinen	28
4.6 Parametergruppe 5: angetriebene Maschinen	31
4.7 Parametergruppe 6: angetriebene Maschinen	33
4.8 Parametergruppe 7: Regler	35
4.9 Parametergruppe 8: angetriebene Maschinen	39
4.10 Parametergruppe 9: 3-Phasen-Logik	43
4.11 Parametergruppe 10: Schutzfunktionen	46
4.12 Parametergruppe 11: Info-Warnung	51
4.13 Parametergruppe 12: Datenanfragen	52
5 Parameterlisten	54
5.1 1-Phasen-Logik	56
5.2 3-Phasen-Logik während des Betriebs	56
5.3 3-Phasen-Logik	56

[\[pdf\]](#) Guide

VLT® Micro Drive FC 51 Programming Guide AU361182403098de 000301 assets danfoss documents

latest 273413 |||

Inhaltsverzeichnis VLT Micro Drive FC 51 Programmierungshandbuch

Inhaltsverzeichnis 1 Sicherheit 1.1.1 Hochspannungswarnung 1.1.2

Sicherheitshinweise 1.1.3 Software-Version und Zulassungen 1.1.4 Allgemeine

Warnung 1.1.5 IT-Netz 1.1.6 Vermeiden des unerwarteten Anlaufs 1.1.8 Vor

Aufnahme von Reparaturen...

lang:de **score:38** filesize: 1.69 M page_count: 71 document date: 2007-03-05



[Руководство по проектированию VLT® Micro Drive FC 51 | Danfoss](#)

Подробное руководство по проектированию, монтажу и эксплуатации преобразователей частоты Danfoss VLT® Micro Drive FC 51, включая технические данные, безопасность и инструкции.

lang:pt **score:38** filesize: 8.1 M page_count: 103 document date: 2007-06-13



[\[pdf\]](#) Guide Declaration of Conformity Accessories Catalog Label

At the end of this document you will find links to products related catalog You can go directly our shop by clicking VLT Micro Drive FC 51 electricautomationnetwork ENGLISH DANFOSS ACCIONAMIENTOS ||| At the end of this document you will find links to products related to this catalog. You can go directly to our shop by clicking HERE. HERE MAKING MODERN LIVING POSSIBLE Design Guide VLT Micro Drive FC 51 www.danfoss.com/drives Contents VLT Micro Drive FC 51 Design Guide Contents 1 Introducti...

lang:en score:38 filesize: 8.01 M page_count: 97 document date: 0000-00-00

VLT Micro Drive FC 51 Bedieningshandleiding	
Inhoud	
1. Veiligheid	3
Veiligheidsinstructies	3
Goedkeuringen	3
Algemene waarschuwing	3
Een onbedoelde start vermijden	4
Voordat u begint met reparatiewerkzaamheden	5
2. Mechanische installatie	7
Voordat u start	7
Mechanische afmetingen	8
3. Elektrische installatie	9
Aansluiten	9
Elektrische installatie in het algemeen	9
DNC-gerichte installatie	10
Aansluiten op de netvoeding	11
Netvoeding	11
Stuurlijnen	13
Aansluiting op stuurlijnen	13
Schakelen	13
Voedingsspanning - overschijdt	15
Leeshulp	15
4. Programmeren	17
Programmeren	17
Programmeren met POC 33	17
Programmeren via LCP 11 of LCP 12	17
Stuurlijnen	20
Stuurlijnen	20
Parameters van het mechanisme	21
Inhoud	25
5. Parameterlijst	27
6. Problemen verhelpen	31
7. Specificaties	33
Het voeding	33
Overige specificaties	35
Specifieke specificaties	37
Het doel van de tekst	37

[\[pdf\]](#) Declaration of Conformity

sa kgu VLT Micro Drive FC 51 Bedieningshandleiding Danfoss 2 nov 2020 — Zorg ervoor dat de frequentieomvormer goed geaard is Verwijder aansluitingen voor netvoeding en motor overige voedingsaan doc MG02A210 files danfoss Drives |||

VLT Micro Drive FC 51 Bedieningshandleiding Inhoud 1. Veiligheid

Veiligheidsinstructies Goedkeuringen Algemene waarschuwing Een onbedoelde start vermijden Voordat u begint met reparatiewerkzaamheden 2. Mechanische installatie Voordat u start Mechanische afmetingen 3. Elektrische installatie Aansluit...

lang:nl score:38 filesize: 2.03 M page_count: 41 document date: 2007-03-26



[\[pdf\]](#) Instructions Troubleshooting Guide Specifications Dimension Guide Guide Declaration of Conformity

VLT® Micro Drive FC 51 Operating Guide M0016401 Danfoss A S 3 4 MB VLT OG AQ276736419659en 000101 files danfoss Drives Документи |||

Operating Guide VLT Micro Drive FC 51 vlt-drives.danfoss.com VLT Micro Drive FC 51 Operating Guide Contents 1 Introduction 1.1 Purpose of this Operating Guide 1.2 Additional Resources 1.3 Type Approvals and Certifications 1.4 IT Mains 1.5 Disposal 1.6 CE Declaration 2 Safety 2.1 Safety Symbols 2....

lang:en score:38 filesize: 3.43 M page_count: 38 document date: 2021-05-11



[pdf]

Hızlı Kılavuz VLT Micro Drive FC 51 danfoss vlt fc51 kullanım klavuzu 02 11 2022 21c5564 hvacdunyasi tr img products |||

MAKING MODERN LIVING POSSIBLE Hizli Kılavuz VLT Micro Drive FC 51

www.danfoss.com/drives iindekiler Hizli Kılavuz iindekiler 1 Hizli Kılavuz 2 1.1 Gvenlik 2 1.1.1 Gvenlik Ynergeleri 3 1.2 Giri 3 1.2.1 Kullanilabilir Belgeler 3 1.2.2 IT ebekesi 4 1.2.3 stenmeyen Balatmayi nleme 4 ...

lang:id score:37 filesize: 2.69 M page_count: 28 document date: 2014-02-12



[pdf] Guide Decleration of Conformity Accessories Label

Danfoss fc51 series AC Drive Design Guide driv ac dg Galco Industrial Electronics 132F0026 pim galco Manufacturer TechDocument |||

MAKING MODERN LIVING POSSIBLE Design Guide VLT Micro Drive FC 51

Contents VLT Micro Drive FC 51 Design Guide Contents 1 Introduction 1.1 Available Literature 1.2 Document and Software Version 1.3 Abbreviations 1.4 Definitions 1.5 Power Factor 2 Safety and Conformity 2.1 Safety 2.2 Disposal Inst...

lang:en score:37 filesize: 9.61 M page_count: 94 document date: 2016-03-18



[pdf] Specifications Dimension Guide Guide Borchure

Comparison of features and specifications for iC2 Micro VLT® Drive FC 51 Frequency Converters Design Guide M00352 AD423936930805en 000201 assets danfoss documents latest 281783 |||

Brochure iC2-Micro VLT Micro Drive FC 51 Comparison of features and specifications for iC2-Micro and VLT Micro Drive FC 51 Run reliably at full load for ambient temperatures up to 50C drives.danfoss.com Contents General comparison of iC2-Micro and VLT Micro Drive FC 51.....

lang:en score:37 filesize: 6.1 M page_count: 8 document date: 2022-08-09



[\[pdf\]](#) Specifications Dimension Guide Guide Borchure

Comparison of features and specifications for iC2 Micro VLT® Drive FC 51 Frequency Converters Design Guide M00352 AD423936930805en US0203 assets danfoss documents latest 284828 |||

Brochure iC2-Micro VLT Micro Drive FC 51 Comparison of features and specifications for iC2-Micro and VLT Micro Drive FC 51 Run reliably at full load for ambient temperatures up to 50C danfossdrives.com Contents General comparison of iC2-Micro and VLT Micro Drive FC 51.....

lang:en score:37 filesize: 6.08 M page_count: 8 document date: 2022-08-09