

Frequency Converter EFC x610 Demo System

Operating Instructions

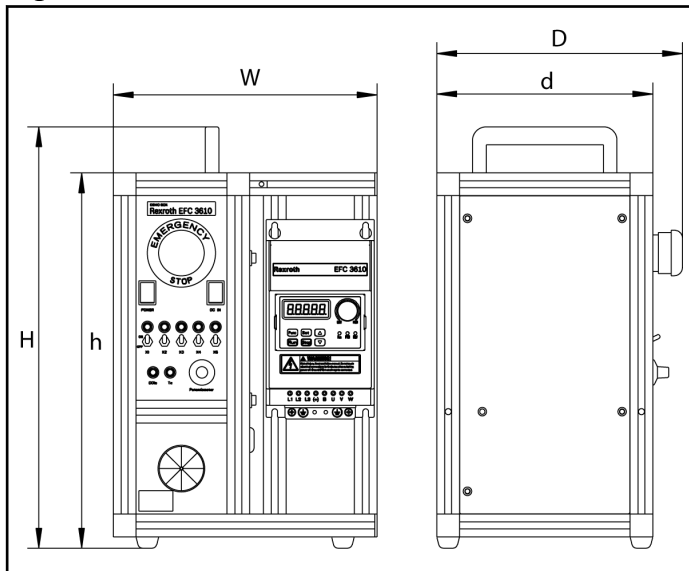
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Edition 01

Introduction to the Demo System

EFC x610 Demo System, a frequency converter demonstration system developed by Bosch Rexroth, is used to demonstrate the basic control methods that are incorporated on EFC x610 series product. It serves to provide the technical reference to customer in product selection.

- 7 The DC power switch for frequency converter
- 8 LED lamp; 9 Frequency converter
- 10 Fuse; 11 The main switch for Demo System
- 12 The power socket for Demo System

Figures and Dimensions



Figures and dimensions

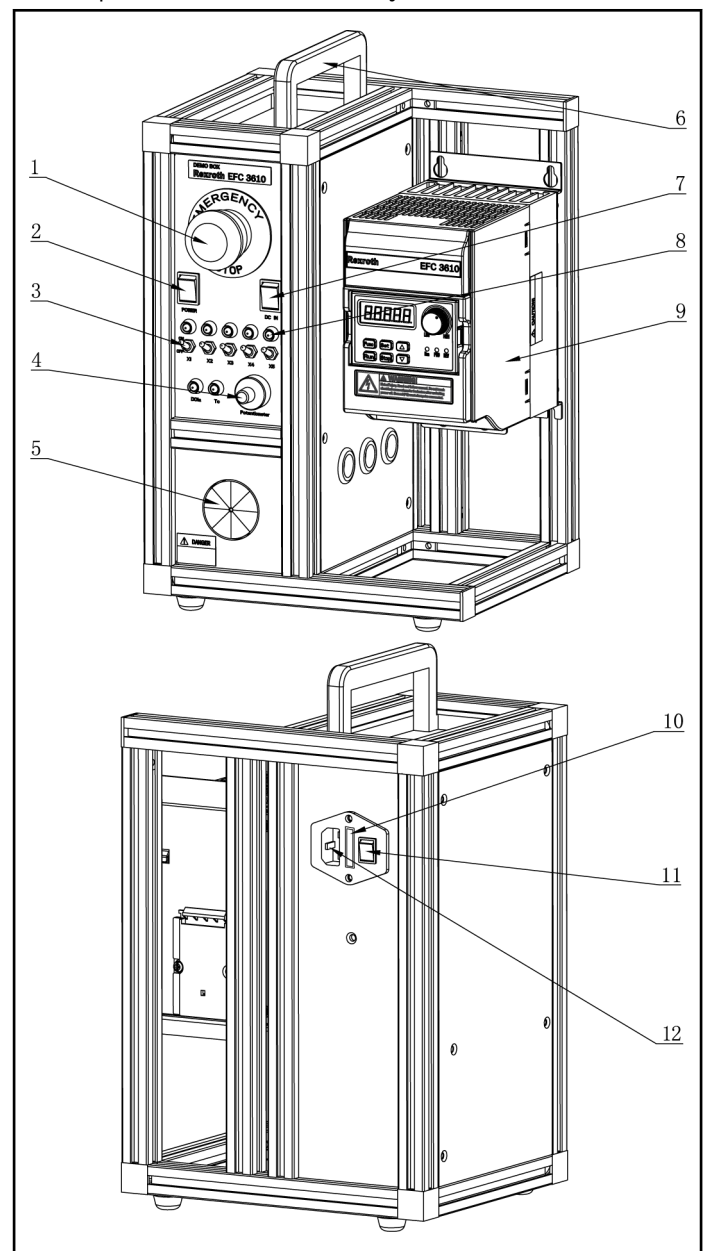
| W | H | h | D | d |
|-------|-------|-------|-------|-------|
| 232.0 | 370.5 | 330.0 | 216.1 | 190.0 |

Dimensions (Unit: mm)

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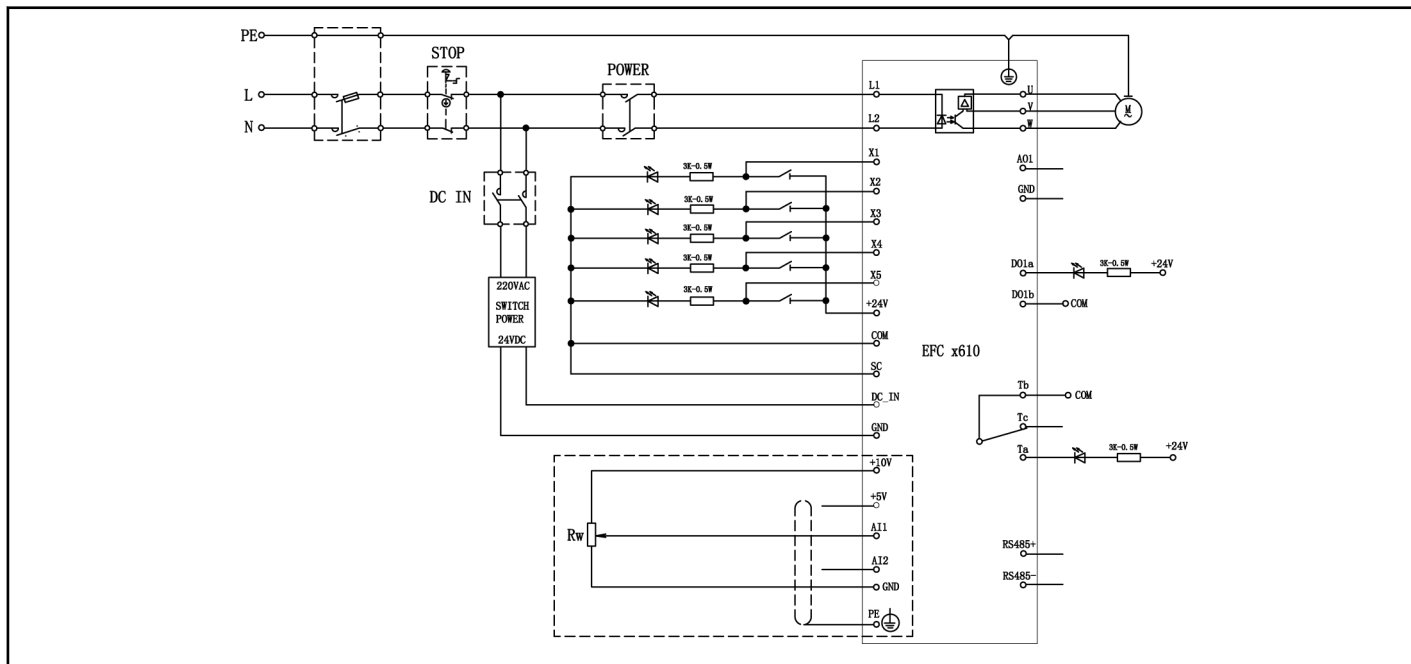
The main function modules of the Demo System are shown as below:

- 1 Emergency stop switch
- 2 The AC power switch for frequency converter
- 3 The input switch for digital signal
- 4 The potentiometer for analog signal
- 5 The turnplate of motor; 6 Handle



Function modules

Overview of Electric Connections



Wiring diagram



For detail description of frequency converter terminals, please refer chapter 2.3 of **Quick Start Guide** as enclosed in the delivery of the product.

Technical Specifications

| Demo System input rating | |
|--------------------------|----------------------------------|
| Voltage | 1P 200...240 VAC (-10 % / +10 %) |
| Frequency | 50 / 60 Hz (±5 %) |
| Motor rating | |
| Nominal power | 25 W |
| Nominal speed | 1,650 rpm/min |
| Ambient condition | |
| Temperature | -10...45 °C |
| Altitude | Below 1,000 m |
| Relative humidity | ≤ 90 % (Without condensation) |

| | |
|-------------------|-----------------------|
| Protection degree | IP00 |
| Fuse | |
| Fuse type | 250 VAC, 6.3 A, Ø5*20 |
| Others | |
| Certification | CE |
| Weight | 6.5 kg |

Technical specifications



For the frequency converter that is to be used in combination with the Demo System, the detail description of technical features are provided in chapter 6.1 of EFC x610 **Operating Instructions**. To acquire the relevant documentation, please consult your local sales partner or visit the following link:
www.boschrexroth.com/efcx610

