

Certification Test

CT.Sigma7.02.eLM.FB_400V.CertificationTest

YASKAWA

Taking the Test

- The purpose of this test is to validate the learning experience corresponding to the applicable eLearning Module. It is recommended to preview the questions before viewing the module, and answer them as the module progresses.
- The test is open book. You may use any website, manuals, software, demo, etc. The test must be taken individually; you may not contact another person for help.
- Each question has only one correct answer unless otherwise noted. Please clearly record all answers on the answer sheet. All questions are equally weighted. A passing score is 90%.

Returning the Test

- Please return **only the first page** of the test (the answer sheet) with completed answers and contact information.

Option 1: Fax the answer sheet to **Yaskawa Technical Training Services** at **(847) 887-7185**.

Option 2: e-mail a scan, photo, or edited pdf of the answer sheet with all answers and contact information to training@yaskawa.com.

Receiving Your Score

You may review your answers only if a passing score is received. You will receive a system-generated email with your score. Please allow up to 5 business days.

1. Which amplifier models are available for Sigma-7 400V?
 - A. Mechatrolink III
 - B. Analog Pulse
 - C. MP2600iec
 - D. EtherCAT
 - E. A,B
 - F. A,C
 - G. A,D
 - H. A,B,D
 - I. All of the above

2. How much linear space is required between Sigma-7 400V amplifiers?
 - A. 0 mm
 - B. 1 mm
 - C. 3 mm
 - D. 10 mm

3. Where is the CN-1 connector mounted on the amplifier?
 - A. Bottom
 - B. Top
 - C. Front

4. How many digital inputs and outputs are available on the CN-1 connector?
 - A. 3 inputs, 7 outputs
 - B. 5 inputs, 3 outputs
 - C. 7 inputs, 3 outputs
 - D. 7 inputs, 5 outputs

5. How many high speed inputs are available?
 - A. 2
 - B. 3
 - C. 5
 - D. 7

6. Which option cards are supported?
 - A. MP2600iec
 - B. Indexer
 - C. Safety
 - D. EtherCAT
 - E. Fully Closed Loop
 - F. A,C
 - G. A,D,E
 - H. C,E
 - I. All of the above

7. What capacities are available for the Sigma-7S 400V amp?
 - A. 500 W to 1.5kW
 - B. 500 W to 15kW
 - C. 500 W and 1.5 kW
 - D. 1.5 kW to 15 kW

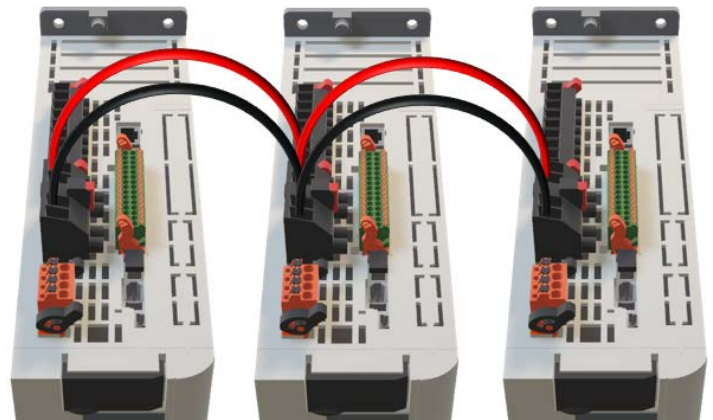
8. What is the minimum version of MotionWorksIEC that supports the Sigma-7 400V amps?
 - A. 3.2
 - B. 3.3
 - C. 3.4
 - D. 3.5

9. What is the minimum version of SigmaWin+ that supports Sigma-7 400V amps?
 - A. 7.16
 - B. 7.22
 - C. 7.23
 - D. 5.75

10. Which amplifier capacities have a dynamic braking resistor connector?
 - A. 500W ~ 5kW
 - B. 500W ~ 15kW
 - C. 4kW ~ 12kW
 - D. 6kW ~ 15kW

11. What does this wiring diagram show?

- A. Regeneration Resistor
- B. Control Power
- C. I/O Wiring
- D. DC Bus Sharing



12. What Sigm-7 400V accessory is shown in the following picture?

- A. DC Reactor
- B. Shielding Clamp
- C. EMC Line Filter
- D. Regen Resistor
- E. Surge absorber

