Understanding Motor Controls 3rd edition Herman Test Bank

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Name:_____ Class:_____ Date:_____

Chapter 2: Symbols and Schematic Diagrams

1. The double-acting push button has two terminal screws.
   a. True
   b. False

ANSWER: False
POINTS: 1
REFERENCES: Push Buttons

2. Normally open switches are drawn with the movable contact above and touching the stationary contact.
   a. True
   b. False

ANSWER: False
POINTS: 1
REFERENCES: Push Buttons

3. The movable contact of the normally open held closed switch is drawn below the stationary contact.
   a. True
   b. False

ANSWER: True
POINTS: 1
REFERENCES: Push Buttons

4. The symbol for a limit switch illustrates a ball float.
   a. True
   b. False

ANSWER: False
POINTS: 1
REFERENCES: Sensing Devices

5. The flow switch symbol is used for both liquid and air flow switches.
   a. True
   b. False

ANSWER: True
POINTS: 1
REFERENCES: Sensing Devices

6. _____-automatic switches are generally used to select the function of a motor controller either manually or automatically.

ANSWER:
Hand-off
Hand off

POINTS: 1
REFERENCES: Switch Symbols

7. _____ push buttons combine the operation of a selector switch and push button in the same unit.

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ANSWER: Selector
POINTS: 1
REFERENCES: Push Buttons

8. _____ show components in their electrical sequence without regard for physical location.
ANSWER: Schematics
POINTS: 1
REFERENCES: Basic Schematics

9. _____ switches are drawn by adding a wedge to one of the four basic switches.
ANSWER: Limit
POINTS: 1
REFERENCES: Sensing Devices

10. The most common coil symbol used in schematic diagrams is the _____.
ANSWER: circle
POINTS: 1
REFERENCES: Coils

11. What does it mean when components are shown connected by a dashed line in a schematic diagram?
ANSWER: When components are shown connected by a dashed line in a schematic diagram, it indicates that the components are mechanically connected together. If one is pressed, all that are connected by the dashed line are pressed.
POINTS: 1
REFERENCES: Double Acting Push Buttons

12. Name the four basic switch symbols.
ANSWER: There are four basic symbols; normally open (NO), normally closed (NC), normally open held closed (NOHC), and normally closed held open (NCHO).
POINTS: 1
REFERENCES: Switch Symbols

13. What is the function of the contact referred to as a holding, sealing, or maintaining contact?
ANSWER: The function of a holding, sealing, or maintaining contact is to maintain a current path to the coil when the push button returns to its normal open position.
POINTS: 1
REFERENCES: Basic Schematics

14. What are the two basic types of timers?
ANSWER: The two basic types of timers are on delay and off delay.
POINTS: 1
REFERENCES: Timed Contacts

15. Describe the contact symbol.
ANSWER: The contact symbol is two parallel lines connected by wires.

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POINTS: 1
REFERENCES: Contact Symbols

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