# SECTION 4 ELECTRIC MOTORS

# UNIT 19 MOTOR CONTROLS



### UNIT OBJECTIVES

After studying this unit, the reader should be able to

- Describe the differences between relays, contactors and starters
- Explain why the locked rotor amperage (LRA) affects the choice of a motor starter
- List the component parts of contactors and starters
- Name two types of external motor overload protection
- Explain the differences between external overload protection devices
- Explain the conditions under which motor safeties can be reset.

## **Unit 19 Motor Controls Answers**

Scott C. Dulebohn

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Catalog of Training Products for the Mining Industry National Mine Health and Safety Academy, **Electric Motor Control** Walter N. Alerich, 1993 numerous control schematics and wiring diagrams are included to help those new to the world of motor control in understanding and interpreting the function of a control circuit different types of control circuits are introduced and illustrated providing readers with a complete understanding of how control components operate as well as their intended uses Soviet Inventions Illustrated ,1972 Resources in Education, 1968-10 Research in **Education** .1968-07 Boilermaker 1 & C. United States. Bureau of Naval Personnel. 1960 Suggested Related <u>Instruction for Apprentices in Electrical Installation and Practice</u> University of the State of New York. Bureau of Industrial and Technical Education.1947 Electrical Industries ,1901 Industrial Engineer, 1923 **Electric Traction Weekly** How to Become a Competent Motorman Virgil Benjamin Livermore, 1908 Canadian ,1908 Booklist ,1919 Foundryman and Metal Industry News ,1924 The Electrician ,1910 Metropolitan Management, **Transportation and Planning** ,1908 The Commercial Motor .1916 The Booklist ,1919 **Electrical World** ,1928 Steel ,1949 Refrigeration Patents Corporation V. Stewart-Warner Corporation, 1946

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