

Motor điện là gì? Các phương pháp khởi động motor điện phổ biến

 huphaco.vn/motor-dien

21 tháng 2, 2020

Khởi động motor điện là gì?

Bộ khởi động motor điện là một thiết bị điện được sử dụng để khởi động và dừng động cơ một cách an toàn. Tương tự như relay, bộ khởi động động cơ sẽ bật / tắt nguồn. Nhưng khác ở chỗ là nó bảo vệ thấp áp và quá dòng.

Các chức năng chính của bộ khởi động motor điện

- Để khởi động động cơ một cách an toàn
- Dừng motor một cách an toàn
- Để đảo ngược hướng của động cơ
- Để bảo vệ motor khỏi điện áp thấp và quá dòng.

Một bộ khởi động motor điện có cấu tạo từ hai thành phần chính hoạt động cùng nhau để điều khiển & bảo vệ động cơ:

- Công tắc tơ điện: Mục đích của công tắc tơ là BẬT / TẮT nguồn điện cho động cơ bằng cách đóng hoặc ngắt các tiếp điểm.
- Mạch bảo vệ quá tải: Mục đích của mạch này là để bảo vệ động cơ khỏi các tác động do tình trạng quá tải. Dòng điện lớn qua rôto có thể làm hỏng cuộn dây cũng như các thiết bị khác được kết nối với nguồn cấp.

Tại sao chúng ta cần bộ khởi động motor điện?

Bộ khởi động động cơ là cần thiết để khởi động một động cơ cảm ứng do trở kháng của rôto thấp. Trở kháng của rôto phụ thuộc vào độ trượt của động cơ cảm ứng là tốc độ tương đối giữa rôto và stato. Trở kháng thay đổi ngược với độ trượt.

Khi dòng vào cao làm từ hóa khe hở không khí giữa rôto & stato tạo ra EMF trong cuộn dây rôto. EMF này tạo ra một dòng điện trong rôto, sinh ra từ trường để tạo ra mô-men xoắn trong rôto. Khi tốc độ rôto tăng, độ trượt của động cơ giảm và dòng điện sẽ giảm.

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RS Peters

A decorative red circular graphic with a gradient, appearing as a stylized arrow or a partial circle, located to the right of the 'RS Peters' text.

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Australian national bibliography ,1961 **A Manual of the Steam-engine: Structure and theory** Robert Henry Thurston,1891 Digital Devices for Automatic Control I. V. Butusov,1967 The book considers digital equipment for automatic control and measurement of production processes It presents the basic characteristics and describes the operating principles of automatic digital instruments machines for centralized control and automatic control machines Basic attention is given to digital equipment using ferrite and semiconductor components The book is intended for engineers and technicians concerned with the development and use of automation resources it can also be useful to students in higher educational institutions and technicums specializing in instruments and systems of automatic control Author Motor Age ,1917 **A Text Book of Electrical Machines** Rajput,2006-04 **The Vestibular System** T. Gualtierotti,2012-12-06 Vestibular physiology has acquired new interest in the past few years The development of fast aircraft beginning during the Second World War and continuing through modern supersonic jets and space travel has increased dramatically the acceleration range to which man is subjected from prolonged weightlessness to several gs The labyrinth measures all kinds of acceleration including gravity and therefore has taken on particular importance in the study of human health in the Space Age It is understandable then that NASA sponsored the Symposium on Vestibular Function and Morphology a satellite of the Eighth Annual Meeting of the Society of Neuroscience held October 30 November 1 1978 at the University of Pittsburgh which also supported the symposium The present volume was developed from papers originally presented there My strategy in editing this book has been to focus upon the vestibular end organ and its direct connections both peripheral and central in order to assure a coherent discussion of the basics of vestibular function structure and ultrastructure Fortunately it was possible to secure the contributions of a number of outstanding investigators from both the United States and abroad including functionally oriented morphologists ultrastructuralists biophysicists and vestibular physiologists The result is a comprehensive discussion of the main mechanisms of the labyrinth the transduction process at the receptor level in the semicircular canals and in the utricular and saccular maculae the information transfer through neuronal pathways to the nuclei and the cerebellum and the general organization of the system **Transactions of the International Electrical Congress, St. Louis, 1904 ...** ,1905 Electrical Manufacturing ,1957 **Aeronautics** ,1920 **Design of Underground Hard-Coal Mines** J. Pazdziora,2012-12-02 The escalating worldwide demand for energy has had the effect among other things of promoting the development of coal mining In some countries specialist design offices were set up and students trained as specialists in mine design and construction Poland a country having mining traditions stretching over many centuries is a good example and has gained a place in the forefront not only as a coal producer and exporter but also as an originator and exporter of technical mining know how The author of this book has himself had 25 years of practical experience in mine design in the supervision of mining investment implementation both at home and abroad and also in

directing the activities of the Chief Mine Design and Studies Office in Poland plus more than 20 years teaching experience in the training of mining engineers in particular as head of the Mine Design Department of the Mining Faculty at the Silesian Polytechnic University in Gliwice This vast wealth of experience has prompted him to write the present book which discusses the basic problems met with in the design of underground hard coal mines The author s primary aim has been to deal with all those questions in mine design which have not yet been answered in mining textbooks and which from his own personal experience he considers to be of importance Accordingly he presents the general principles governing the design of new mines and the reconstruction of working mines the development of mining regions the design of coal preparation plant and energy economy in mines Making use of the broad experience gained by the Polish mining industry in the implementation of mining investment projects he has quoted several examples of technical and organizational solutions which effectively shorten the mine construction cycle The book is addressed chiefly to investors and engineers engaged in preparing plans for the development of mining regions for the construction of new mines and the reconstruction of existing mines and preparation plants as well as to students in mining departments of technical schools and universities The information offered here is of great practical value and may well stimulate the development of new ideas for design and implementation concepts

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