

AC contactor produced by inverter





Overview

What is AC contactor?

An AC contactor is an electromechanical switching device designed to switch AC loads on/off. It is used for switching high-current AC loads. The working principle of the AC contactor involves electromagnetic force cooperating with the spring force to make and break the connection between the source and load.

What components make an AC contactor?

The components that make an AC contactor are: Coil – The electromagnetic coil is the heart of the contactor. It creates a magnetic field that pulls the contacts together to close the circuit when energised. This coil is usually made of copper or aluminium wire. It is wound tightly to generate sufficient magnetic force.

How to choose an AC contactor?

Make sure the AC contactor holds credible certifications. CE and UL are some important certifications to consider. You can find such information on the manufacturer's product page. AC contactors are necessary control systems to regulate the flow of electricity in heavy electrical loads.

What are the different types of AC contactors?

AC contactors are mostly available in 3-pole and 4-pole versions. You can choose between them depending on the load type and control circuit requirements. For instance, 3-pole AC contactors are usable in three-phase systems, while 4-pole AC contactors can be used in 3 phase 4 wire system or 1 phase 2 wire system.



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