

Summary of IS/IEC 60947 Part 4 Sec 2 2014

IS/IEC 60947-4-2:2014 specifies requirements for **contactors and motor starters** used in controlling and protecting **electric motors** in AC circuits. It applies to both **standalone contactors** and **motor starter combinations** that include overload relays for motor protection. The standard outlines **performance requirements** such as electrical and mechanical characteristics, **voltage ratings**, and **temperature limits**, ensuring reliable operation under normal and fault conditions. It emphasizes **safety**, focusing on **overload protection**, **short-circuit protection**, and **arc extinction**. The devices must undergo rigorous **testing** for insulation, dielectric strength, and mechanical durability. The standard also includes guidelines for **marking**, **installation**, and **maintenance** to ensure proper usage and long-term reliability. Overall, IS/IEC 60947-4-2:2014 ensures that contactors and motor starters function safely, efficiently, and reliably in various motor control applications.