

Control relay protection panel PK type



Overview

Type P, PK, and PH Bulletin 700 Type PK master control relays contain 20A master contact cartridges with large single contact pads on each side of the span.

Key Takeaways

PK type control relays are master control relays designed for heavy-duty applications, featuring 20A contact cartridges for reliable system control. Overview of PK Type Relays

PK type relays are master control relays equipped with 20A contact cartridges that have large single contact pads on each side of the spanner, allowing them to handle heavier loads and provide robust control over electrical systems. These relays can accommodate a maximum of 12 contacts, with up to 8 normally closed contacts, and support time delay and latching attachments for flexible operation. They are suitable for industrial and machine tool applications where high reliability and low contact bounce are critical.

Features and Accessories

- Contact Ratings: 20A master contact cartridges, convertible with other types like 10A or logic reed contacts.
- Attachments: Time delay, latching, and overlapping contacts for customized control logic.
- Mounting: Compatible with standard mounting strips and panels, allowing integration into control relay protection panels.



- Compliance: Conforms to IEC 947-5-1, IEC 337-1, CENELEC, BS 4794, VDE 0660, and is CSA and UL certified .

Integration into Control Panels

PK type relays are commonly installed in control and protection panels that manage power systems, substations, and industrial networks . These panels are designed to:

- Provide protection against overloads, short circuits, and faults.
- Enable control operations such as switching, sequencing, and transformer management.
- Support real-time monitoring with integrated meters and indicators.
- Allow modular and flexible configurations, including multiple relays, programmable logic, and interfaces to different switchgear .

Applications

PK type relays and their panels are used in:

- Substation automation and protection
- Industrial power distribution
- Heavy machinery control
- Utility networks requiring high reliability and fast fault response

Summary

The PK type control relay is a robust, high-current master relay designed for integration into control relay protection panels, offering flexible attachments, high reliability, and compliance with international standards. When selecting a PK relay, ensure to specify the catalog number, coil voltage, and any required accessories to match the intended application .

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