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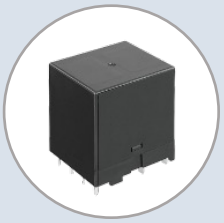
New Product Introduction

HE-S SC Type Power Relay



SCCR-Compliant Relay Designed to Replace Traditional Contactors

The **HE-S SC Type Power Relay** combines the high-current switching performance of an AC contactor with the compact size and efficiency of a PCB-mountable relay. Designed for EV charging, renewable energy, and industrial power applications, it delivers 40 A switching at up to 480 VAC while meeting IEC 62752 and IEC 62955 SCCR requirements.

A key advantage of the **HE-S SC Type Relay** is its certified Short-Circuit Current Rating (SCCR) compliance, making it particularly well-suited for three-phase EV charging equipment. An optional 1 Form B auxiliary contact with a mirror-contact structure compliant with EN 60947-4-1 enables contact-position monitoring and welded-contact detection, helping support functional safety requirements.

Compared to traditional contactors, the **HE-S SC Type Power Relay** offers equivalent switching performance in a much smaller footprint, while consuming only 400 mW holding power to reduce system energy consumption and heat generation. The Relay is available with 12 VDC or 24 VDC coils and features a 3.0 mm contact gap in a compact 36 mm × 30 mm × 40 mm package.

Typical applications include EV charging stations and charging cables, photovoltaic power systems, inverters, elevators, and semiconductor inspection equipment.

Features

- SCCR compliant with IEC 62752 and IEC 62955
- Normally Closed Auxiliary Contact Option
- 2500 mW Operate / 400 mW Hold
- 36x30x40mm Exterior Dimensions

Benefits

- Built-in Short-Circuit Protection Compliance
- Weld Detection
- Reduced Power Consumption and Heat
- Compact Size for Design Miniaturization

Industries

- EVSE (Electric Vehicle Supply Equipment)
- Renewable Energy / Solar
- Elevator Systems
- Industrial Power

Applications

- Level 2 & 3 EV Charging Stations
- Photovoltaic Power Generation System
- Elevators
- Inverters