Finder 66.82.8.230.0000 Power Relay: Reliable 30A Solution for HVAC and Industrial Control

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The **Finder 66.82.8.230.0000** is a high-power, flange-mount relay designed for demanding switching tasks in HVAC, refrigeration and industrial control panels. With a 230 V AC coil and 30 A contact rating, it offers a compact but robust alternative to contactors in many applications.

Product overview

The Finder 66.82 series is a family of 30 A power relays with Faston terminals and reinforced insulation that comply with international safety standards for electrical equipment. The 66.82.8.230.0000 variant pictured is a **DPDT (2 changeover contacts) relay** with a 230 V AC coil, suitable for single-phase loads up to 440 V AC.

Mounted on a panel via integrated flanges, this relay is widely used in OEM machines, control panels and HVAC units where reliable separation between the control circuit and the power circuit is essential. Its compact housing and Faston 6.3 × 0.8 mm connections make wiring quick and maintenance friendly for installers and service technicians.

Key electrical specifications

For designers and technicians, the most **critical** data are contact rating, coil voltage and insulation performance. The table below summarizes the main technical characteristics of the Finder 66.82.8.230.0000 as presented in distributors’ listings and the manufacturer’s catalog.

Specification	Value	Notes
Manufacturer / Series	Finder 66.82	Power relays 30 A series.
Coil voltage	230 V AC	Standard mains control voltage.
Contact configuration	DPDT (2CO)	Two changeover contacts.
Max. switching current	30 A	Per contact set for AC loads.
Max. switching voltage	440 V AC	For power applications.
Terminals	Faston 6.3 × 0.8 mm	For push-on connectors.

Specification	Value	Notes
Mounting	Flange mount	For panel or chassis mounting.
Insulation	Reinforced between coil and contacts	According to EN 60335-1.

These values make the relay particularly suitable for switching compressors, fan motors, heating elements and resistive or slightly inductive loads in HVAC and refrigeration systems.

Typical applications in HVAC and industry

In real-world installations, the Finder 66.82.8.230.0000 often replaces bulkier contactors in medium-power circuits where panel space and cost must be optimized. Common uses include:

- Switching single-phase compressors in cold rooms, display cabinets and small chillers up to 30 A at 230–250 V AC.
- Controlling electric heaters, defrost elements and fan banks in air-handling units and rooftop HVAC packages.
- Interfacing low-power thermostats, PLC outputs or electronic boards with mains loads in industrial machinery and building automation.

Because it provides reinforced insulation between coil and contacts, the relay is suitable for applications governed by household and similar equipment standard EN 60335-1, which is frequently referenced in HVAC and appliance design. This insulation level enhances safety where user-accessible electronics coexist with high-voltage power circuits.

Installation and safety guidelines

When integrating this relay into a control panel, technicians should follow the wiring diagrams supplied in the Finder datasheet and the equipment manufacturer’s instructions. Faston terminations must be fully mated with correctly sized push-on connectors, and conductors should be chosen according to the 30 A rating and ambient temperature in the enclosure.

The relay must be mounted on a flat surface using the dedicated flanges, ensuring adequate clearance for cooling and respecting creepage distances to nearby live parts. As with all power components, switching capacity must be derated for highly inductive loads, frequent cycling or elevated temperatures, conditions that are common in heavy-duty HVAC duty cycles.

[Finder Flange Mount Power Relay 230V ac Coil 30A Switching Current DPDTDownload]