

Relay HF105F-4, 12V DC/240V AC 30A

Reference: AM1543

EAN13: -

HS code: 85364190



Product attributes:

Product features:

Voltage: 12 V DC

Resistance: 90 Ohm

Waterproof grade: IP65

Max. switching current: 30 A

Max. switching voltage: 240V AC/30V DC

Insulation resistance: 1000 MΩ

Product description:

The HF105F-4 relay is a power electromagnetic relay with a 12V DC coil and a switching capacity of up to 30A at 240V AC. Thanks to its robust construction, high insulation strength and reliable operation, it is ideal for industrial and automation applications where safe switching of high currents is required. The relay is encapsulated in a durable plastic housing that protects the contacts from dust and mechanical damage, and is equipped with mounting holes for a secure fit.

Technical specifications

- Model: HF105F-4
- Coil voltage: 12 V DC
- Rated switching current: 30 A (resistive load)
- Maximum switching voltage: 240 V AC / 30 V DC
- Contacts: 1× changeover (SPDT - COM, NO, NC)
- Insulation strength: 2500 V AC (between coil and contacts, 1 min)
- Insulation resistance: $\geq 1000 \text{ M}\Omega$ at 500 V DC
- Contact material: AgSnO_2 (silver oxide)
- Coil resistance: 90 Ω
- Operating temperature: $-55 \text{ }^\circ\text{C}$ to $+85 \text{ }^\circ\text{C}$
- Mechanical life: up to 10 million cycles
- Electrical life: up to 100,000 switching operations at rated load
- Dimensions: 50 × 37 × 35 mm
- Weight: 36g

Functions and features

- High switching current 30 A – suitable for power, heating and motor circuits.
- High insulation strength ensures safe operation even at higher voltages.
- Durable contact materials with long life and minimal oxidation.
- Easy connection thanks to marked terminals COM, NO, NC.
- Fixed mounting option – ideal for distribution boards and power panels.
- Safe operation in a wide range of temperatures and environments.

Ideal for

- Automation and control systems
- Switching of heaters, motors and pumps
- Power modules and power switching circuits
- High current domestic and industrial applications
- Prototypes, test equipment and DIY projects

Package contents

- 1x HF105F-4 relay, 12V DC, 30A

Why choose this product?

- Powerful relay with high current capacity and reliable operation.
 - UL, CQC and CE certifications guarantee quality and safety.
 - Robust construction resistant to vibrations and temperature changes.
 - Long service life under high loads and low contact loss.
 - The ideal combination of performance, quality and price for professional and hobby use.
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