

## **Kico 12V 40A- Small Size**

A generic **Kaco 12V 40A relay** is typically an automotive-style mini relay available in SPDT or SPST-NO configurations. Specific datasheets for a single, small-size Kaco 12V 40A model are not universally available online, but general specifications for this type of relay are consistent across manufacturers.

### **General Technical Specifications**

These specifications are typical for a standard "small size" 12V 40A automotive relay.

- **Coil Voltage:** 12V DC
- **Contact Configuration:** SPDT (Single Pole Double Throw, 5-pin) or SPST-NO (Single Pole Single Throw - Normally Open, 4-pin)
- **Max Switching Current:** 40A @ 14V DC
- **Max Switching Voltage:** Typically up to 75V DC or 80V DC
- **Coil Resistance:** Varies by specific model, commonly around **80Ω** to **103Ω**
- **Coil Power Consumption:** Typically between **1.4W** and **1.9W**
- **Operate Time:** Approximately **7ms**
- **Release Time:** Approximately **5ms**
- **Insulation Resistance:** 100MΩ at 500 VDC
- **Dielectric Strength (between open contacts):** Typically 1000 VAC
- **Ambient Operating Temperature Range:** **-40°C to +85°C** (or up to +125°C for some variants)

### **Mechanical Data & Features**

- **Mounting Type:** Often "Plug In" using quick connect terminals, sometimes with a metal mounting bracket.
- **Terminal Type:** Quick Connect terminals, often 6.3mm.
- **Weight:** Around **35g** to **55g**.
- **Protection Features:**

- **Dust protected** or fully **sealed case to IP67** for harsh environments.
  - **Internal suppression resistor** for back-EMF protection is common.
- **Typical Dimensions:** "Small size" or "mini" automotive relays are often around **26mm (L) x 26mm (W) x 25mm (H)**.