

Relay SLDH-24VDC-1C, 24V DC 80A, 5-pin

Reference: AM9654

EAN13: -

HS code: 85364190



Product attributes:

Product features:

Voltage: 24 V DC

Waterproof grade: IP65

Number of pins: 5-pin

Max. switching current: 80 A

Max. switching voltage: 30 V DC

Contact type: SPDT

Product description:

The Songle SLDH-24VDC-1C relay is a high-performance automotive relay with a changeover contact (SPDT), designed to switch loads up to 80 A at 14 V DC. It is ideal for power and switching circuits in automotive technology, power modules and industrial equipment. It is characterized by long service life, high reliability and resistance to temperature and mechanical influences.

Technical specifications

- **Model:** SLDH-24VDC-1C
- **Contact type:** 1× changeover (SPDT, 5pin)
- **Coil voltage:** 24 V DC
- **Rated contact current:** NO: 80 A / NC: 60 A (at 14 V DC)
- **Contact material:** AgCdO, AgSnO₂, AgNi
- **Maximum switching voltage:** 30 V DC / 250 V AC
- **Maximum switching current:** 70 A (14 V DC)
- **Maximum switching power:** 980 W
- **Coil resistance:** 320 Ω ±10% (at 20 °C)
- **Rated coil current:** 75 mA
- **Nominal coil power consumption:** approx. 1.8 W
- **Pull-up voltage:** ≤ 16.8 V DC
- **Dropout voltage:** ≥ 2.4 V DC
- **Insulation resistance:** ≥ 100 MΩ (at 500 V DC)
- **Dielectric strength:** 500 V AC / 1 minute
- **Switching time:** ≤ 10 ms
- **Opening time:** ≤ 10 ms
- **Operating temperature:** -40 °C to +125 °C
- **Vibration resistance:** 10-55 Hz, 1.5 mm
- **Electrical life:** 1×10⁵ cycles (at 14 V DC, 40 A)
- **Mechanical life:** 1×10⁷ cycles
- **Dimensions:** 28.5 × 28.5 × 25.3 mm
- **Weight:** approximately 30g
- **Certification:** RoHS compliant

Functions and features

- High switching capacity up to 80 A at 14 V DC
- Universal 5-pin design (NO/NC contact)
- Resistance to high temperatures and vibrations
- Fast response and short switching time
- Reliable operation even in demanding conditions
- Robust design suitable for automotive and industrial applications

Ideal for

- Automotive systems (pumps, fans, heaters, lights)
- Power and power modules
- Control units and automation equipment
- High-current DC circuits

Package contents

- 1x relay SLDH-24VDC-1C

Why choose this product?

- High power up to 80 A for demanding applications
- Operating temperature range $-40\text{ }^{\circ}\text{C}$ to $+125\text{ }^{\circ}\text{C}$
- Reliable operation with a long service life
- Quality workmanship of the Songle Relay brand
- Verified compatibility with common 5-pin sockets

