

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

## Product codes:

Reference: AM9654

EAN13: -

UPC: 85364190



## 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 attributes:

## 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, AgSnO<sub>2</sub>, 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)
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- **Rated coil current:** 75 mA
- **Nominal coil power consumption:** approx. 1.8 W
- **Pull-up voltage:**  $\leq 16.8$  V DC
- **Dropout voltage:**  $\geq 2.4$  V DC
- **Insulation resistance:**  $\geq 100$  M $\Omega$  (at 500 V DC)
- **Dielectric strength:** 500 V AC / 1 minute
- **Switching time:**  $\leq 10$  ms
- **Opening time:**  $\leq 10$  ms
- **Operating temperature:**  $-40$  °C to  $+125$  °C
- **Vibration resistance:** 10-55 Hz, 1.5 mm
- **Electrical life:**  $1 \times 10^5$  cycles (at 14 V DC, 40 A)
- **Mechanical life:**  $1 \times 10^7$  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

- 1× relay SLDH-24VDC-1C

#### Why choose this product?

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

#### Product gallery:

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