

Main Feature



Contact Rating

- Nominal Load (Resistive Load $\cos \varphi = 1$)
 - Contact Capacity 12A at 120VAC.
 - 10A at 250VAC.
 - 12A/24VDC.
- Rated Carrying Current 12A.
- Max. Allowable Current 12A.
- Max. Allowable Voltage AC 240V, DC 110V.
- Max. Allowable Power Force 1,500 VA, 300W.
- Min. Switching Load DC 10V, 10mA.
- Contact Material Ag Alloy.
- Contact Form SPST & SPDT.

Performance (at Initial Value)

- Contact Resistance 100mΩMax.@1A,6VDC
- Operate Time..... 7 mSec. Max.
- Release Time 4 mSec. Max.
- Dielectric Strength :
 - Between Coil & Contact 2,000VAC at 50/60 Hz
for one minute.
 - Between Contacts 750VAC at 50/60 Hz
for one minute.
- Surge Resistance.....5,000V (between Coil
& Contact 1.2x50μSec.)
- Insulation Resistance 100 MegaΩ Min. at
500VDC.
- Max. On/Off Switching :
 - Electrical 30 Ops per Minute.

1. UDH Relay Series is designed with switching capacity by 12A to comply with user's selection.
2. Insulation distance 4 mm Min. is designed. The employment of insulation material is meeting to JIS Insulation Class E. The Dielectric Strength of 2,000 VAC Min. and Surge Resistance of 5,000V can be reached.
3. 2.54 mm terminal pitch employment is equal to I.C.'s terminal pitch.
4. Employment of suitable plastic materials to be applied to high temperature condition and various chemical solutions.
5. Complete protective construction is designed from dust and soldering flux. If required, the plastic sealed type is available for washing procedure.

Application

Cooking Appliances, Air Conditioners, Audio Equipment,
Domestic Appliances, Car Control units, etc.

- Mechanical.....300 Ops per Minute.
- Temperature Range-30~65°C
- Humidity Range45~85% RH.
- Coil Temperature Rise40°C Max. (3~24V)
50°C Max. (48V)
- Vibration :
Endurance.....10 to 55 Hz dual
amplitude width 1.5mm.
- Error Operation10 to 55 Hz dual
amplitude width 1.5mm.
- Shock :
Endurance1,000 m/S² Min.
- Error Operation100 m/S² Min.
- Life Expectancy :
Mechanical10⁷ Operations at No
Load condition.
- Electrical10⁵ Operations at
Rated Resistive Load.
- Weight.....About 9.5 g.

Safety Standard & Its File Number

- ULE141060
- CSA.....LR76598

Coil Specification (at 20°C)

Coil Sensitivity	Nominal Voltage (VDC)	Nominal Current (mA)	Coil Resistance (Ω±10%)	Power Consumption (W)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Maximum Allowable Voltage (VDC)
UDH-D/DM	3	150	20	Abt. 0.45	75% Maximum	5% Minimum	130%
	5	89.5	56				
	6	75	80				
	9	50	180				
	12	37.5	320	Abt. 0.66			
	24	20.9	1,150				
	48	13.7	3,500				

Ordering Information

UDH - SS - 1 12 D M

Contact Form:

Nil: One Form C

M: One Form A

B: One Form B

D: Standard DC Coil

Coil Type:

Coil Voltage: 03: 3V, 05: 5V, 06: 6V, 09: 9V, 12: 12V, 24: 24V, 48: 48V

Number of Pole:

1: One Pole

Type of Sealing:

SS: Flow Solder Type

SH: Plastic Sealed Type

Type:

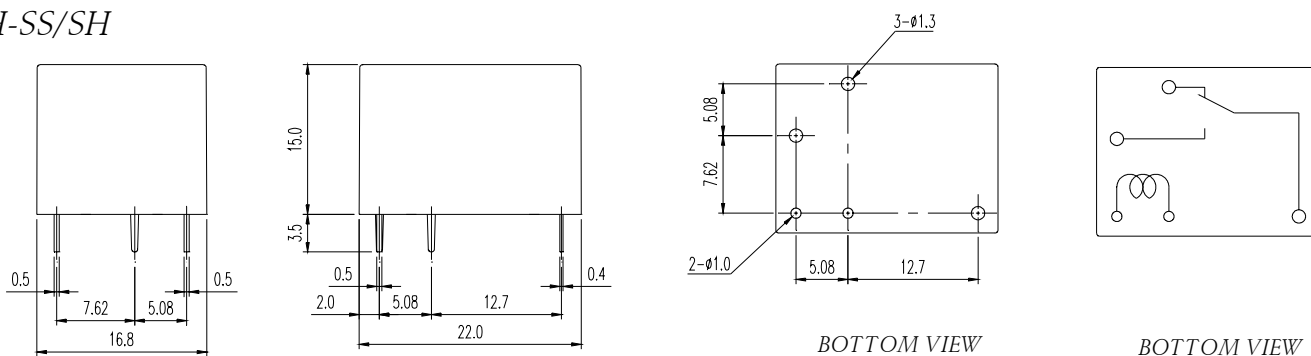
UDH

Classification

Model	UDH		
Contact Form	1C	1A	1B
Flow Solder Type	UDH-SS-1□□D	UDH-SS-1□□DM	UDH-SS-1□□DB
Plastic Sealed Type	UDH-SH-1□□D	UDH-SH-1□□DM	UDH-SH-1□□DB

Dimension

UDH-SS/SH



Reference Data

