



OUDH Sensitive

1 pole C/O 7A relay Approval – cUL

Features

- 1 changeover design
- 4000 V coil to contact dielectric
- AgNi gold flashed contacts
- Flux tight or sealed, plastic case
- RoHS compliant (Directive 2002/95/EC) as per product date code 0424

Contact data

Design	1 c/o
Rated current	7 Amps
Rated voltage	250 Vac
Rated breaking capacity	1750 VA
Material	AgNi + Au flash or AgNi
Max. switching rate	300 ops/min (no load) 30 ops/min (rated load)
Mechanical Life	10,000,000 ops
Initial contact resistance	100mOhms @ 6Vdc, 1A

Contact Life :

250V 7A resistive	100,000 ops
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Insulation

Dielectric – open contacts	750Vac rms
- coil to contacts	4000Vac rms
Isolation resistance at 500Vdc	100 M Ohms

Coil data @ 20°C

Nominal Power	330 mW
Maximum coil voltage	200% of nominal
Duty cycle	continuous
Operate time	10 msec max
Release time	5 msec max

Nominal Voltage	Operate voltage	Release voltage	Nominal coil resistance	Coil current
5	3.25 Vdc	0.5 Vdc	80 Ohms	62.5 mA
12	7.80 Vdc	1.2 Vdc	440 Ohms	27.3 mA
24	15.60 Vdc	2.4 Vdc	1780 Ohms	13.5 mA
36	22.80 Vdc	3.6 Vdc	3930 Ohms	9.2 mA

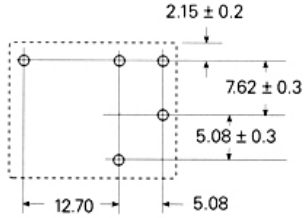
Environmental data

Temperature range	-30 to +70°C
Vibration, Mechanical	10 to 55Hz, 1.5mm double amplitude
Operational	10 to 55Hz, 1.5mm double amplitude
Shock, Mechanical	1,000 m/s ² (approx 100g)
Operational	100 m/s ² (approx 10g)
Operating humidity	20 to 85% RH (non-condensing)

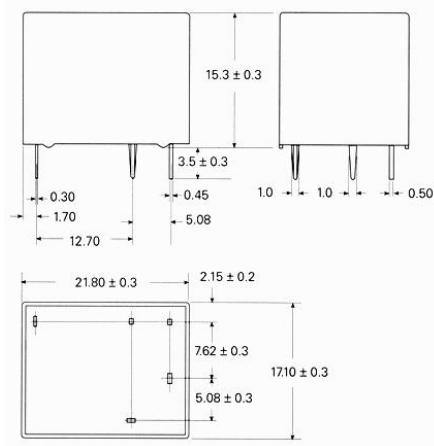
Mechanical Data

Weight	14g approx
Enclosure	OUDH-SS, Flux tight OUDH-SH, Sealed
Flammability of plastics	UL94-V0
Packaging	Tubes of 25 relays

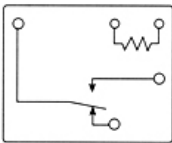
Pinning



Dimensions



Layout



Ordering information

	Typical part number →	OUDH	-SS	-1	12	L	3	F
1. Basic Series	OUDH Miniature PCB relay							
2. Enclosure	SS = Vented (Flux Tight) plastic cover SH = Sealed, plastic case							
3. Termination	1 = 1 pole							
4. Coil Voltages	05 = 5Vdc 24 = 24 Vdc 12 = 12 Vdc 36 = 36 Vdc							
5. Coil Input	L = Sensitive 330mW							
6. Contact Material	3 = AgNi 4 = AgNi, Au clad							
7. Design	F = 4kV Dielectric strength							

Part numbers

OUDH-SS-124L3F	1461766-2 (1461767-1 with special long tubes of 25)
OUDH-SS-105L4F	1461766-8
OUDH-SS-112L4F	1461766-4
OUDH-SS-124L4F	1461766-5
OUDH-SS-136L3F	1461766-9