



»» Features

- ☐ ISO 280 footprint design.
- ☐ High temperature endurance up to 125 degree C.
- ☐ Optional SPNC, SPNO, SPDT contact configurations.
- ☐ Optional to be equipped with protection diode or resistor.
- ☐ Available for dust cover type, skirted cover flanged cover, and weather proof versions.
- ☐ Comply with RoHS-Directive 2002/95/EC, and ELV-Directive 2000/53/EC.

»» Type List

Terminal style	Contact form	Enclosure style		
		Dust cover	Flux tight	Sealed type washable
Socket terminal	1A (SPNO)	898-1AH-D	898-1AH-C	898-1AH-S
		898H-1AH-D	898H-1AH-C	898H-1AH-S
	1C (SPDT)	898-1CH-D	898-1CH-C	898-1CH-S
		898H-1CH-D	898H-1CH-C	898H-1CH-S

Terminal style	Contact form	Enclosure style	
		Flanged cover (dust cover)	Flanged cover (flux tight)
Socket terminal	1A (SPNO)	898-1AH-D1	898-1AH-C1
		898H-1AH-D1	898H-1AH-C1
	1C (SPDT)	898-1CH-D1	898-1CH-C1
		898H-1CH-D1	898H-1CH-C1

Terminal style	Contact form	Enclosure style	
		Steel bracket (dust cover)	Steel bracket (flux tight)
Socket terminal	1A (SPNO)	898-1AH-D1S	898-1AH-C1S
		898H-1AH-D1S	898H-1AH-C1S
	1C (SPDT)	898-1CH-D1S	898-1CH-C1S
		898H-1CH-D1S	898H-1CH-C1S

Terminal style	Contact form	Designation (provided with)	Enclosure style	
			Steel bracket (dust cover with shroud)	Steel bracket (dust cover with weather proof)
Socket terminal	1C (SPDT)	Resistor	898H-1CH-D1SF-R1	898H-1CH-D1SW-R1

»» Ordering Information

898 H - 1CH - C - R1 001
 1 2 3 4 5 6

- | | | | |
|----------|--|----------|---|
| 1. 898 | -- Basic series designation | D1S | -- Steel bracket (dust cover) |
| 2. Blank | -- Standard type | C1S | -- Steel bracket (flux tight) |
| H | -- High power type | S1S | -- Steel bracket (sealed type washable) |
| 3. 1AH | -- Single pole normally open, contact material AgSnO | D1SF | -- Steel bracket (Dust cover with shroud) |
| 1BH | -- Single pole normally closed, contact material AgSnO | D1SW | -- Steel bracket (Dust cover with weather proof) |
| 1CH | -- Single pole double throw, contact material AgSnO | 5. Blank | -- Standard type |
| 4. D | -- Dust cover | R1 | -- Coil parallel with resistor 1/2W for 12V 680Ω, 24V 2700Ω |
| C | -- Flux tight | 6. Blank | -- Standard type |
| S | -- Sealed type washable | 001 | -- Coil parallel with diode IN4007 the positive pole "+" on # 85 terminal |
| D1 | -- Flanged cover (dust cover) | 002 | -- Coil parallel with diode IN4007 the negative pole "-" on # 85 terminal |
| C1 | -- Flanged cover (flux tight) | | |
| S1 | -- Flanged cover (sealed type washable) | | |

»» Contact Rating

Resistive load	898 1A	898 1B	898 1C
	40A 14VDC	40A 14VDC	NO : 30A 14VDC NC : 20A 14VDC
	898H 1A	898H 1B	898H 1C
	50A 14VDC 20A 28VDC	40A 14VDC 15A 28VDC	NO: 50A 14VDC, 20A 28VDC NC: 30A 14VDC, 15A 28VDC

»» Coil Rating (DC)

Rated voltage (V)	Rated current ±10 % at 23°C (mA)	Coil resistance ±10 % at 23°C (Ω)	Max. continuous voltage at 85°C ⁽¹⁾	Pick up voltage(Max) at 23°C	Drop out voltage(Min) at 23°C	Power consumption at rated voltage
12	133	90	120 % of rated voltage	65 % of rated voltage	10 % of rated voltage	approx. 1.6W
24	66.7	360				

Notes : (1) Without switching the load.

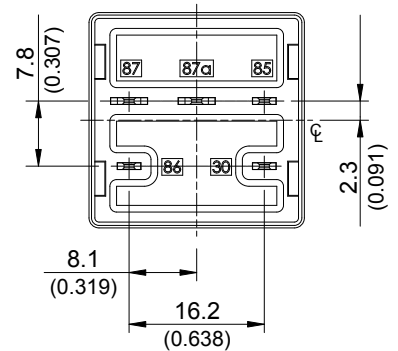
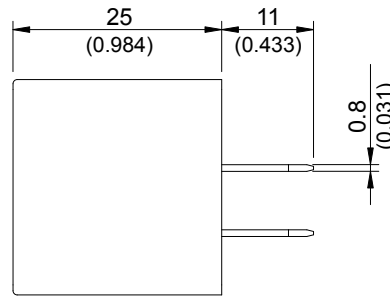
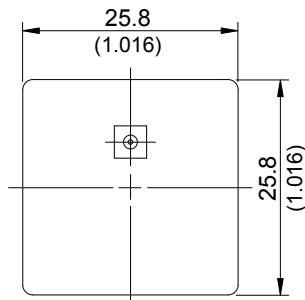
>>> Specification

Contact material	AgSnO alloy	
Contact voltage drop ⁽¹⁾	Typ. 50mV at 10A	
Insulation resistance ⁽¹⁾	20MΩ Min. (DC 500V)	
Operate time ⁽¹⁾	20ms Max.	
Release time ⁽¹⁾	20ms Max.	
Dielectric strength ⁽¹⁾	Between open contact	: AC 500V , 50/60Hz 1 min.
	Between contact and coil	: AC 500V , 50/60Hz 1 min.
Vibration resistance	Operating extremes	10~55Hz , amplitude 2mm
Shock resistance	Operating extremes	10G
	Damage limits	100G
Life expectancy	Mechanical	10,000,000 operations (frequency 18,000 operations/hr)
	Electrical	100,000 operations (frequency 1,200 operations/hr)
Temperature range	Operating	-40~+125°C (no freezing)
Weight	Approx. 40 g	

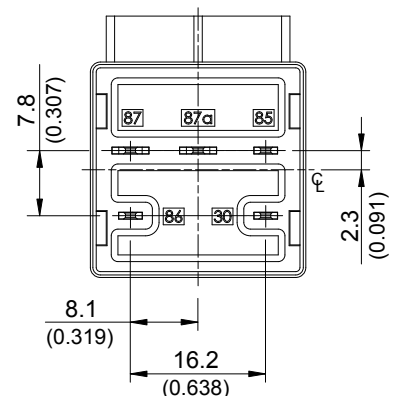
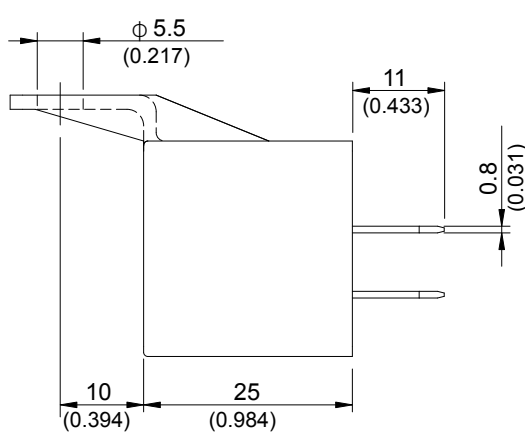
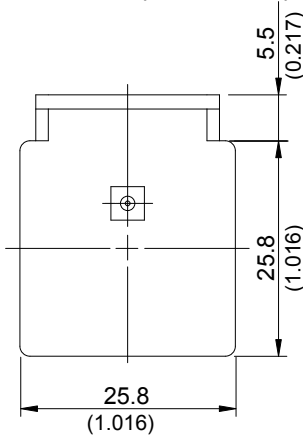
Note : (1) initial value

>>> Outline Dimensions

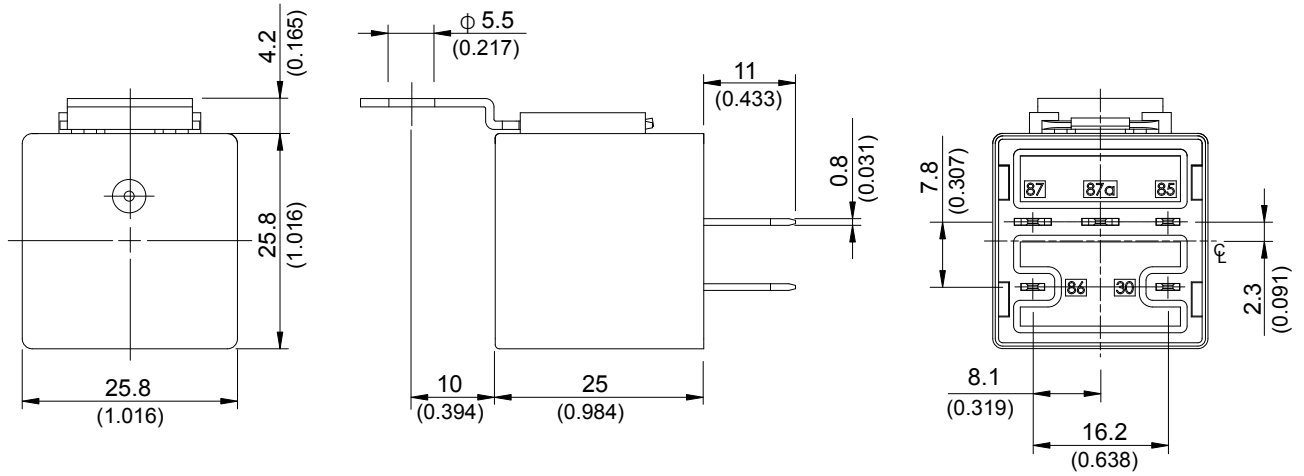
◆ 898,898H(C,D,S)



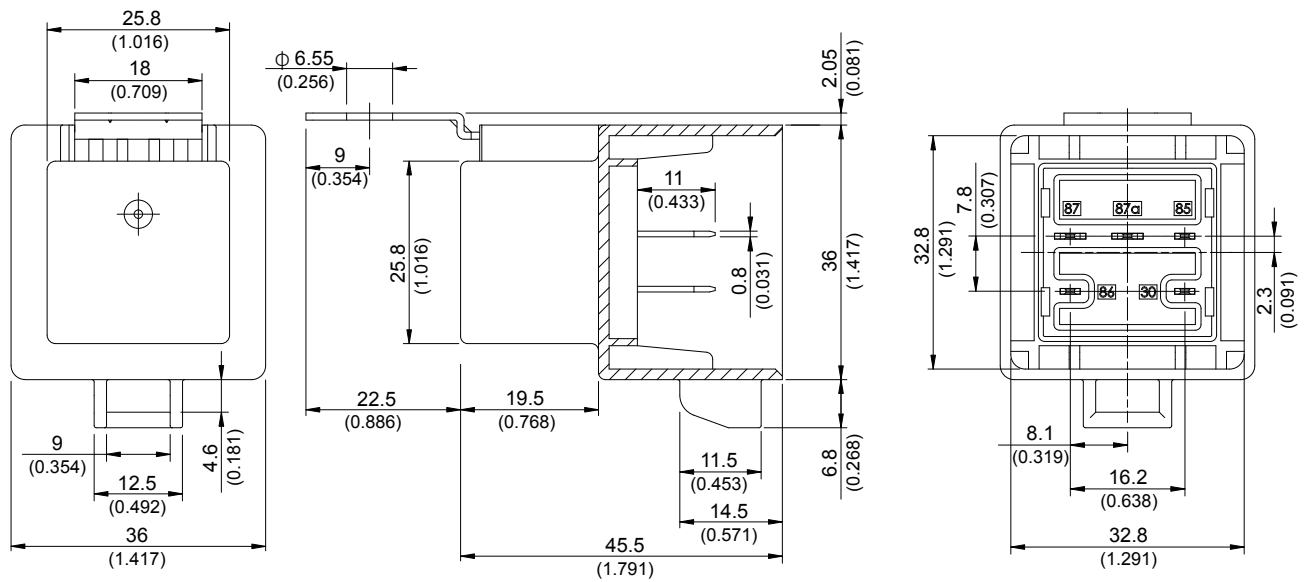
◆ 898,898H(C1,D1,S1)



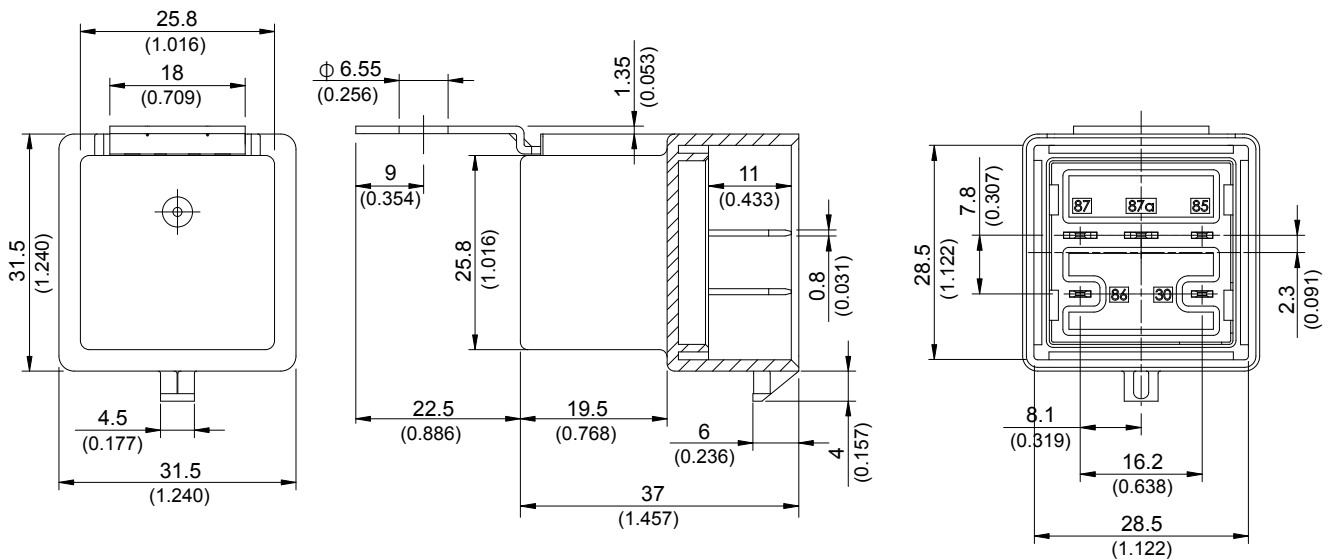
◆898,898H(C1S,D1S,S1S)



◆898H (D1SW)



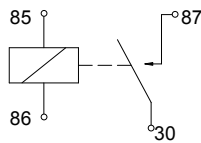
◆898H (D1SF)



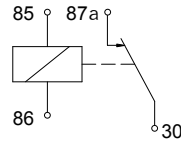
Wiring Diagram

BOTTOM VIEW

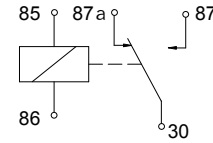
1A



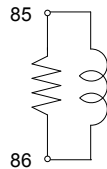
1B



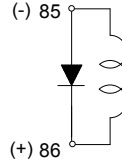
1C



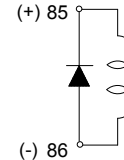
R1



001

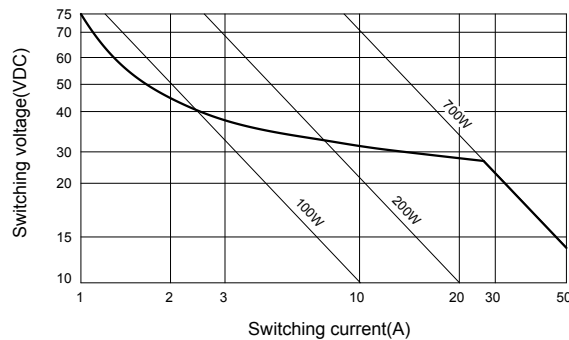


002

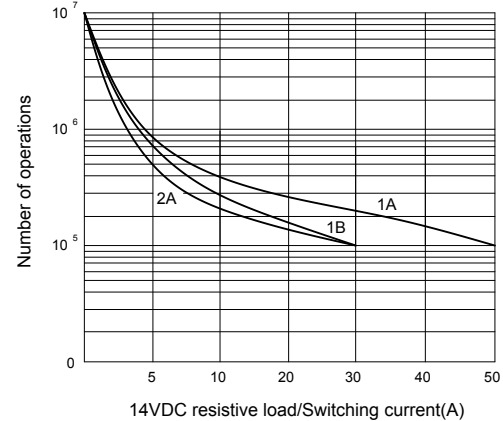


Engineering Data

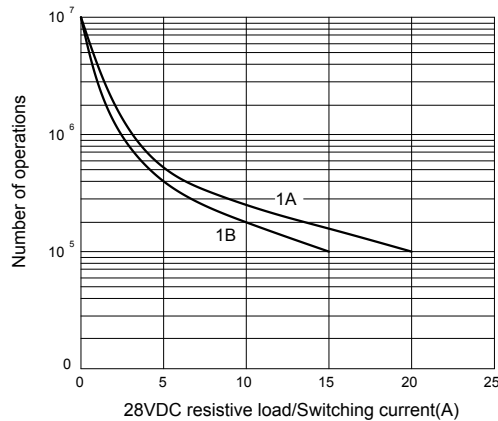
Safe breaking, arc extinguished
(normally open contact) for resistive loads (898H)



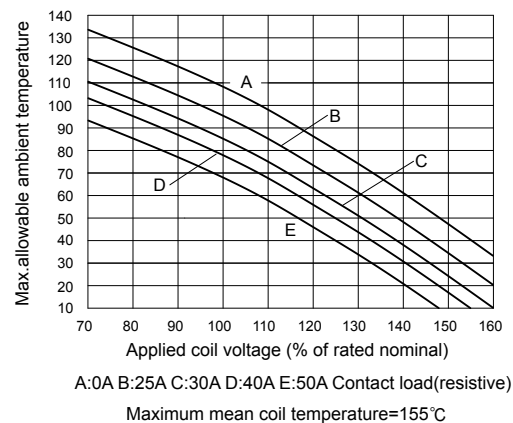
Life expectancy (898H)



Life expectancy (898H)



Ambient temperature vs coil voltage for continuous duty



Operate time/Release time

