



»» Features

- ISO 280 footprint design.
- High temperature endurance up to 125°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 2011/65/EU, 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

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

7. "U05" or "U0x" = Ruggedized version for Automotive use

»» Contact Rating

Resistive load	898 1A	898 1B	898 1C
	40A 14VDC	40A 14VDC	NO : 30A 14VDC NC : 20A 14VDC
		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.



898

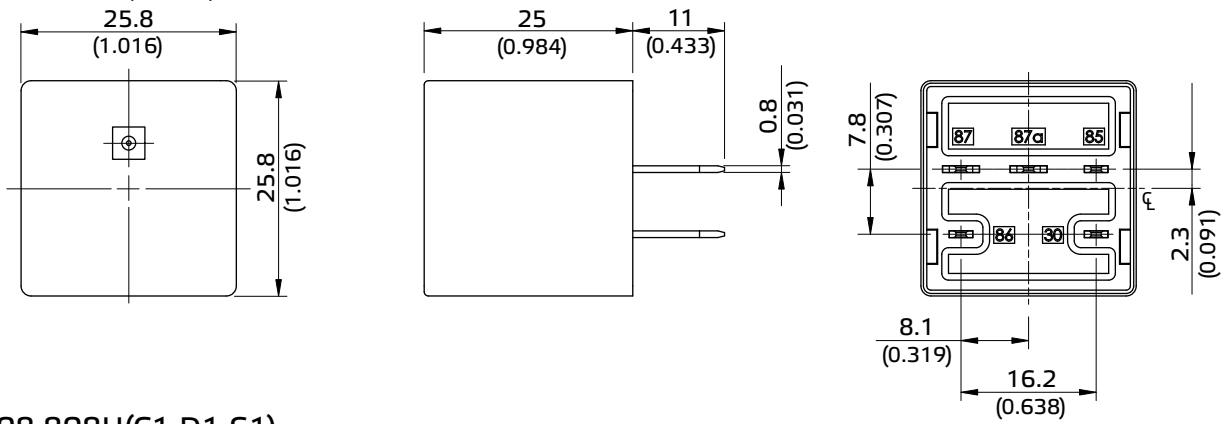
»» Specification

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	10~500Hz 5G
	Damage limits	10~500Hz 5G
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	

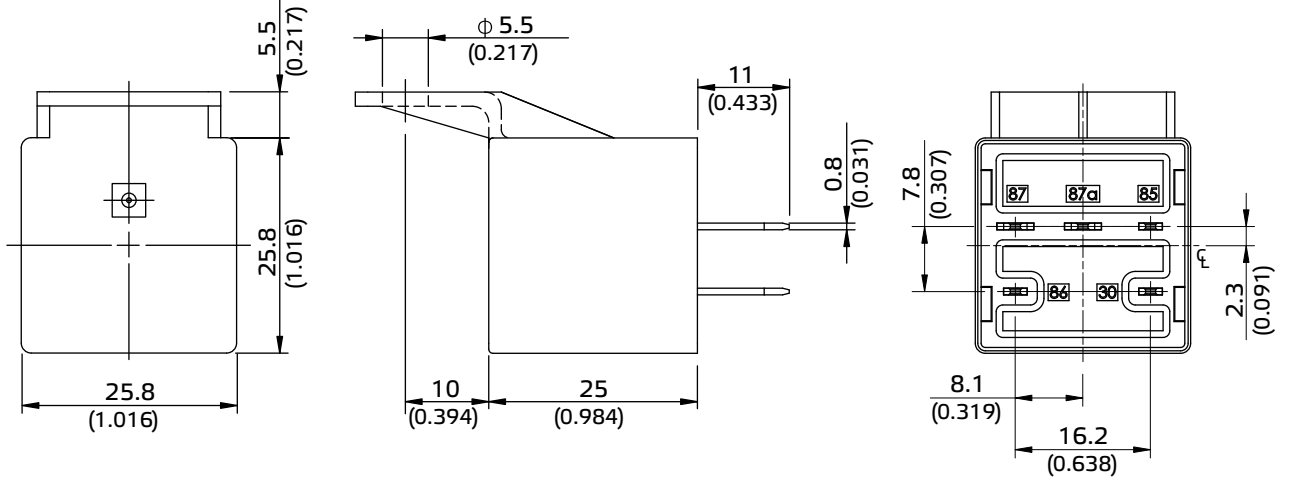
Note : (1) initial value. Operate and release time excluding contact bounce.

»» Outline Dimensions

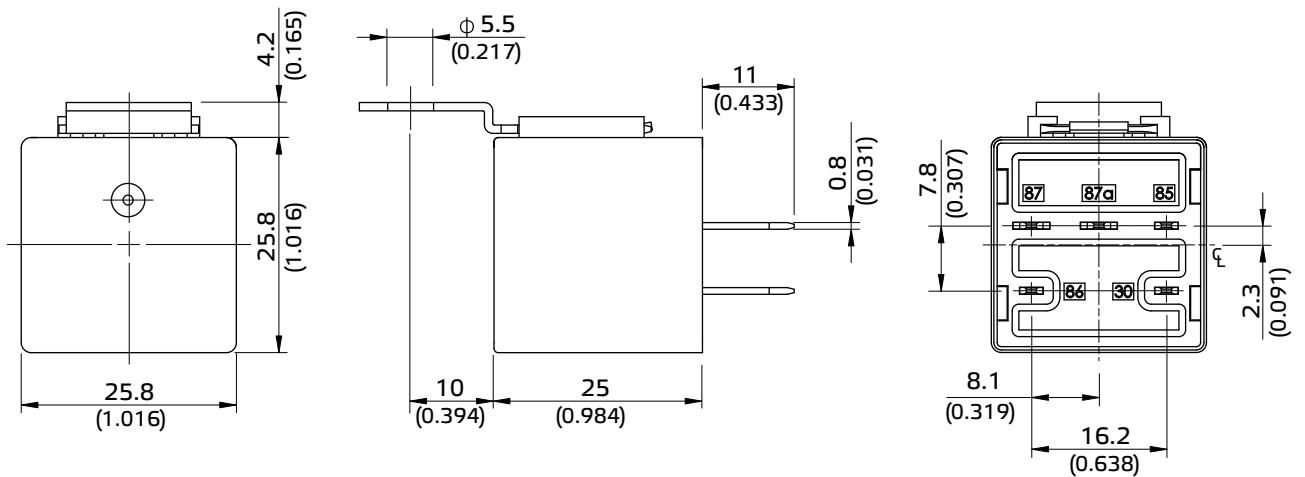
◆ 898,898H(C,D,S)



◆ 898,898H(C1,D1,S1)



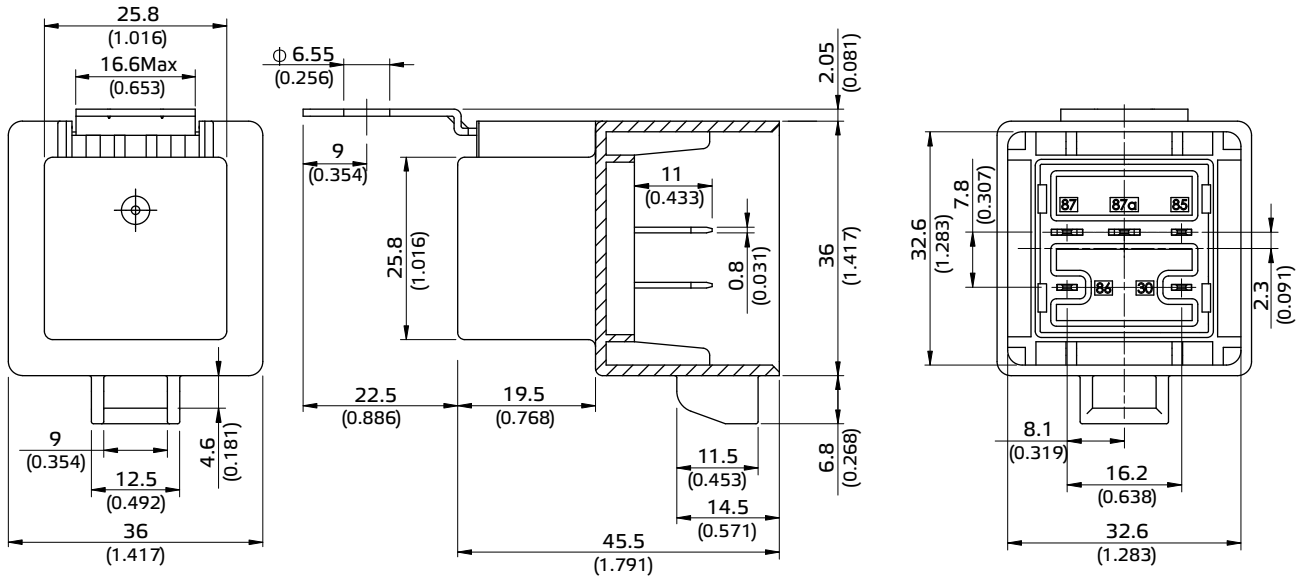
◆ 898,898H(C15,D15,S15)



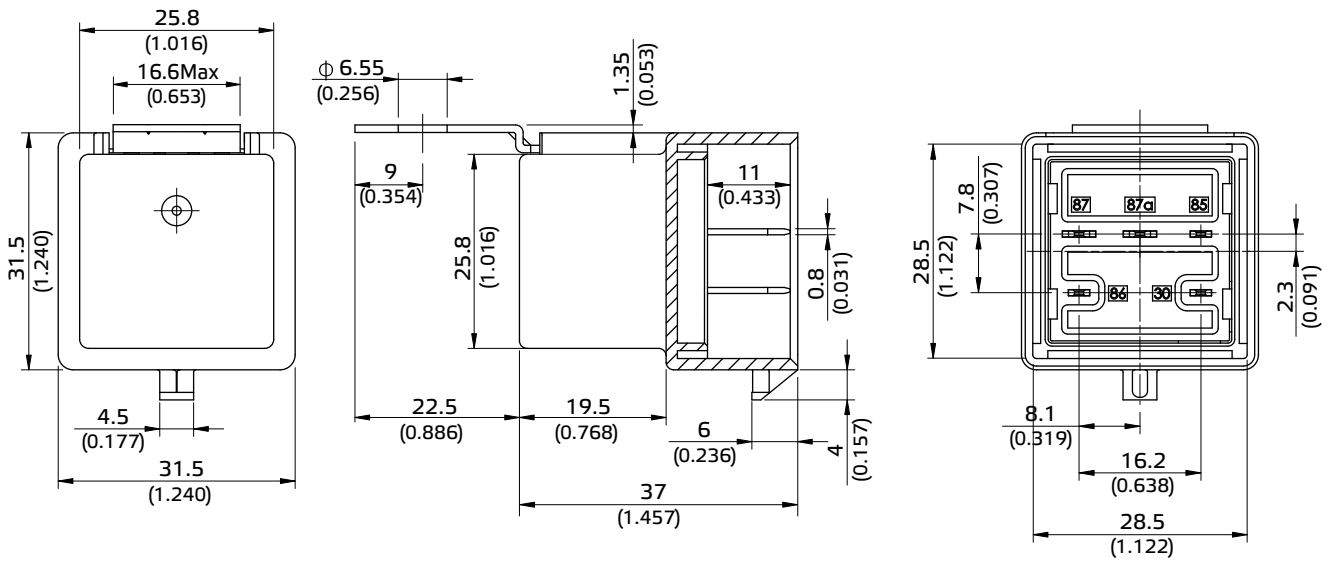


898

◆898H (D15W)



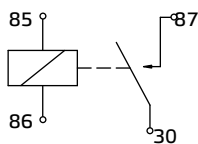
◆898H (D15F)



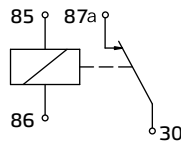
»» Wiring Diagram

BOTTOM VIEW

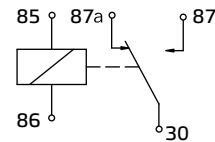
1A



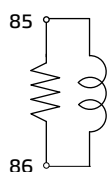
1B



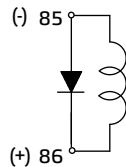
1C



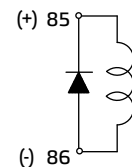
R1



001



002



»» Engineering Data

