



»» Features

- Heavy duty 20/30A automotive PCB Relay.
- High dielectric strength up to 4000Vrms.
- SPNO, SPDT contact configurations.
- Dust cover, flux-free and sealed type.
- Comply with RoHS-Directive 2002/95/EC, and ELV-Directive 2000/53/EC.

»» Type List

Terminal style	Contact form	Designation		
		Flux tight	Sealed type	Sealed type washable
PCB terminal	1A (SPNO)	832AM-1A-C	832AM-1A-V	832AM-1A-S
	1C (SPDT)	832AM-1C-C	832AM-1C-V	832AM-1C-S

»» Ordering Information

832 A M - 1C - C
 1 2 3 4 5

- | | | | |
|--------|---|-------|------------------------------|
| 1. 832 | -- Basic series designation | 4. 1A | -- Single pole normally open |
| 2. A | -- Different type (provided with 1 common terminal) | 1C | -- Single pole double throw |
| 3. M | -- Automotive relay | 5. C | -- Flux tight |
| | | V | -- Sealed type |
| | | S | -- Sealed type washable |

»» Contact Rating

Load type	1A	1C	
		NO	NC
Resistive load	30A 14VDC	20A 14VDC	10A 14VDC

»» 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
9	93	97	120 % of rated voltage	75 % of rated voltage	10 % of rated voltage	approx. 0.93W
12	77	155		rated voltage	rated voltage	
24	36	660		rated voltage	rated voltage	

Note:(1)Continuous contact current at 10A.

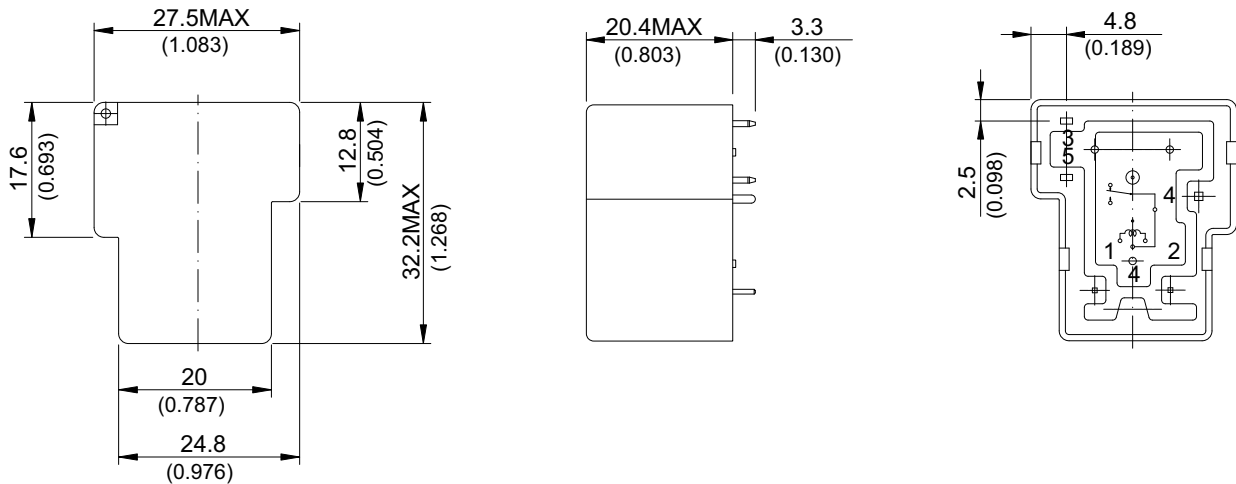
832AM

»» Specification

Contact material	AgSnO alloy	
Contact voltage drop ⁽¹⁾	Typ. 50mV at 10A	
Operate time ⁽¹⁾	15ms Max.	
Release time ⁽¹⁾	10ms Max.	
Insulation resistance ⁽¹⁾	100MΩ Min. (DC 500V)	
Dielectric strength ⁽¹⁾	Between open contact	: 500Vrms 50/60Hz 1min.
	Between contact and coil	: 500Vrms 50/60Hz 1min.
Vibration resistance	Operating extremes	10~55Hz , amplitude 1.5 mm
	Damage limits	10~55Hz , amplitude 1.5 mm
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)
Operating ambient temperature	-55~+85°C (no freezing)	
Weight	Approx. 27g	

Note:(1)Initial value

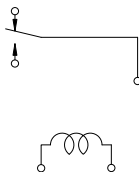
»» Outline Dimensions



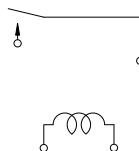
»» Wiring Diagram

BOTTOM VIEW

1C

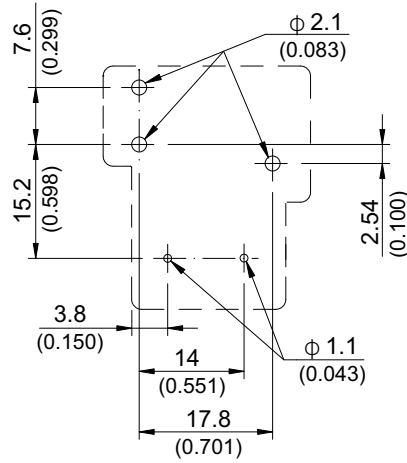


1A



»» PC Board Layout

BOTTOM VIEW



»» Engineering Data

