



832HA



»» Features

- Heavy duty 40A general purpose PCB Power Relay.
- Available for top faston, flux tight, sealed versions.
- UL Class F as standard.
- Special design for UPS, power supply of high rating application.
- Comply with RoHS-Directive 2011/65/EU.

»» Type List

Terminal style	Contact form	Insulation system	Designation		
			Open type	Flux tight	Sealed type washable
PCB terminal	1A (SPNO)	F	832HA-1A-F	832HA-1A-F-C	832HA-1A-F-S
	1B (SPNC)	F	832HA-1B-F	832HA-1B-F-C	832HA-1B-F-S
	1C (SPDT)	F	832HA-1C-F	832HA-1C-F-C	832HA-1C-F-S
WP (PCB terminal & Quick terminal)	1A (SPNO)	F	832HAWP-1A-F	832HAWP-1A-F-C	832HAWP-1A-F-S
	1B (SPNC)	F	832HAWP-1B-F	832HAWP-1B-F-C	832HAWP-1B-F-S
	1C (SPDT)	F	832HAWP-1C-F	832HAWP-1C-F-C	832HAWP-1C-F-S

»» Ordering Information

$\frac{832}{1}$
 $\frac{HA}{2}$
 $\frac{WP}{3}$
-
 $\frac{1C}{4}$
-
 $\frac{F}{5}$
-
 $\frac{C}{6}$
 $\frac{XXVDC}{7}$

- | | |
|-------------------------------------|---|
| 1. 832 -- Basic series designation | 5. F -- Class F |
| 2. HA -- High power type | 6. Blank -- Open type |
| 3. Blank -- PCB terminal | C -- Flux tight |
| W -- Quick terminal | S -- Sealed type washable |
| WP -- PCB terminal & Quick terminal | C1 -- With flanged cover |
| 4. 1A -- Single pole normally open | S1 -- Sealed type washable with flanged cover |
| 1B -- Single pole normally closed | 7. XXVDC -- Coil voltage (please refer to the coil rating data for the availability). |
| 1C -- Single pole double throw | |

»» Contact Rating

Resistive load	NO: 40A 240VAC ; NC: 40A 240VAC
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»» Coil Rating (DC)

Rated voltage (V)	Rated current ±10 % at 23°C (mA)	Coil resistance ±10 % at 23°C (Ω)	Max. continuous voltage at 70°C	Pick up voltage(Max) at 23°C	Drop out voltage(Min) at 23°C	Power consumption at rated voltage
5	185	27	110 % of rated voltage	80 % of rated voltage	10 % of rated voltage	approx. 0.93W
6	150	40				
12	77	155				
24	36	660				
48	18	2560				

832HA



»» Specification

Contact material	AgSnO alloy	
Contact resistance ⁽¹⁾	50 mΩ Max.	
Operate time ⁽¹⁾	15 ms Max.	
Release time ⁽¹⁾	10 ms Max.	
Insulation resistance ⁽¹⁾	1000 MΩ Min. (DC 500V)	
Surge voltage withstand	Between contact and coil : 6KV 1.2X50μS	
Dielectric strength ⁽¹⁾	Between open contact	: 1500Vrms 50/60Hz 1min.
	Between contact and coil	: 2500Vrms 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	2,000,000 operations (frequency 18,000 operations/hr)
	Electrical	NO:30,000 operations NC:10,000 operations (frequency 900 operations/hr)
Operating ambient temperature	-55 ~ +70°C (no freezing)	
Weight	Approx. 22 g (open type), 27g (with cover), 36g (WP) , 38g (W)	

Note: (1) initial value

»» Safety Approval

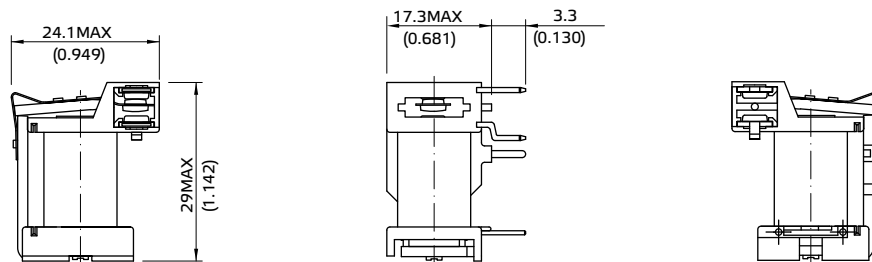
Certified	UL / CUL
File No.	E88991

»» Safety Approval Rating

UL / CUL
NO: 40A 277VAC
NC: 40A 277VAC

»» Outline Dimensions

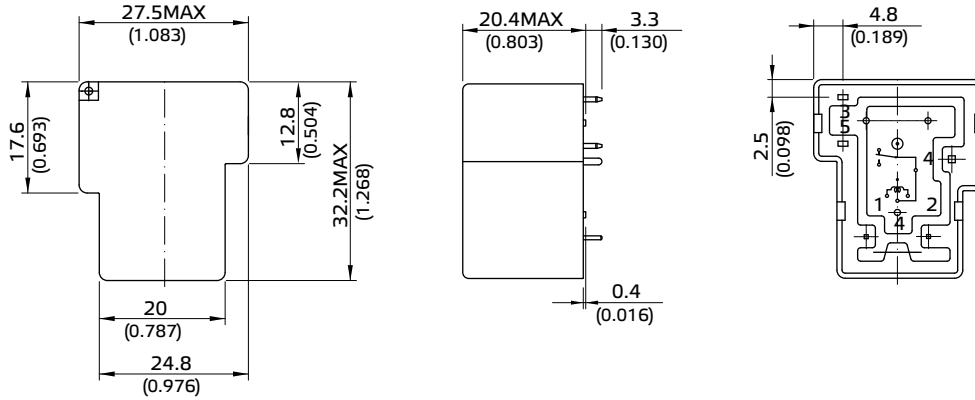
◆832HA(OPEN)



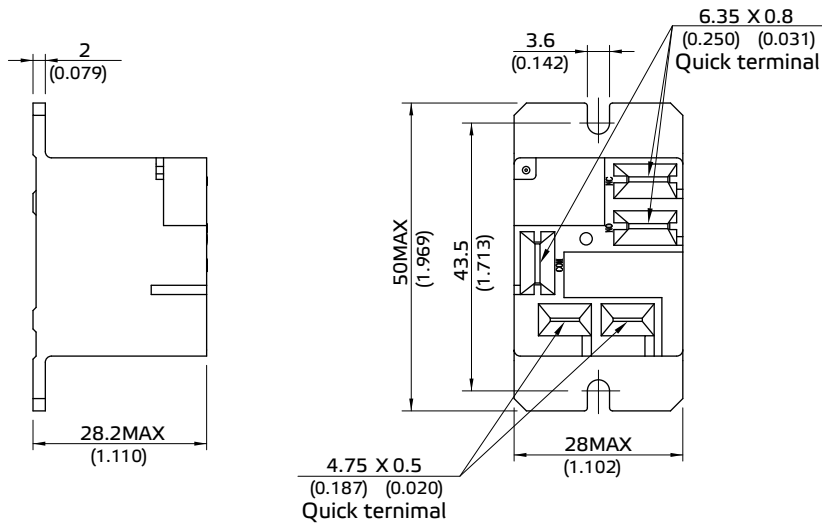


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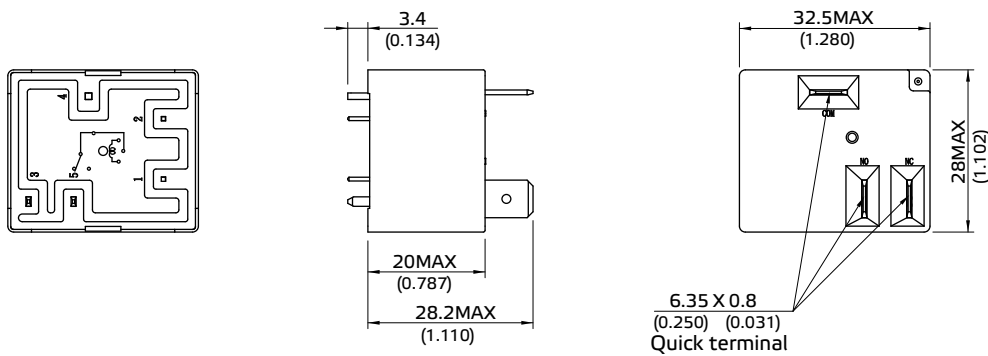
◆832HA



◆832HAW



◆832HAWP

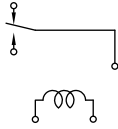


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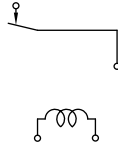


»» Wiring Diagram BOTTOM VIEW

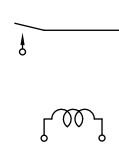
1C



1B

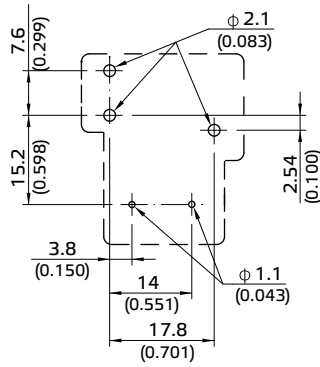


1A

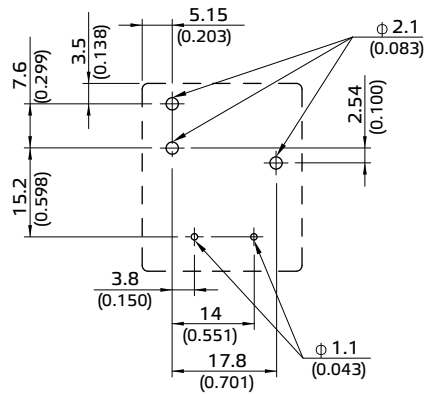


»» PC Board Layout BOTTOM VIEW

◆832HA



◆832HAWP



Disclaimer

All technical performance data apply to the relay as such, specific conditions of the individual application are not considered. Please always check the suitability of the relay for your intended purpose. We do not assume any responsibility or liability for not complying herewith. We recommend to complete our questionnaire and to request our technical service. Any responsibility for the application of the product remains with the customer only. All specifications are subject to change without notification. All rights of Song Chuan are reserved.