



»» 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	Sealed type washable
PCB terminal	1A (SPNO)	F	832HA-1A-F	832HA-1A-F-C	832HA-1A-F-V	832HA-1A-F-S
	1B (SPNC)	F	832HA-1B-F	832HA-1B-F-C	832HA-1B-F-V	832HA-1B-F-S
	1C (SPDT)	F	832HA-1C-F	832HA-1C-F-C	832HA-1C-F-V	832HA-1C-F-S
WP (PCB terminal & Quick terminal)	1A (SPNO)	F	832HAWP-1A-F	832HAWP-1A-F-C	832HAWP-1A-F-V	832HAWP-1A-F-S
	1B (SPNC)	F	832HAWP-1B-F	832HAWP-1B-F-C	832HAWP-1B-F-V	832HAWP-1B-F-S
	1C (SPDT)	F	832HAWP-1C-F	832HAWP-1C-F-C	832HAWP-1C-F-V	832HAWP-1C-F-S

»» Ordering Information

832 HA ☐ - 1A - F - ☐ ☐
 1 2 3 4 5 6 7

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

»» 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⁾	50mΩ Max. (1A/6VDC by 4 pipes mΩ meter)	
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	: AC 1500V , 50/60Hz 1min.
	Between contact and coil	: AC 2500V , 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

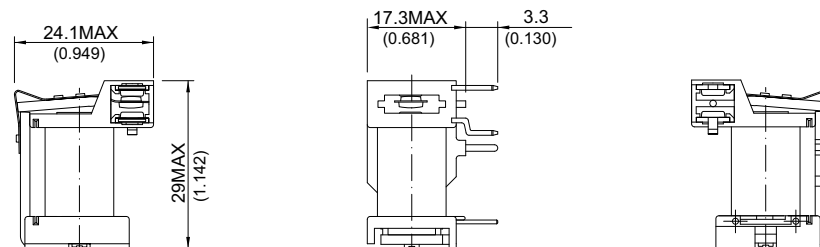
Certified	UL / CUL
File No.	E88991

» Safety Approval Rating

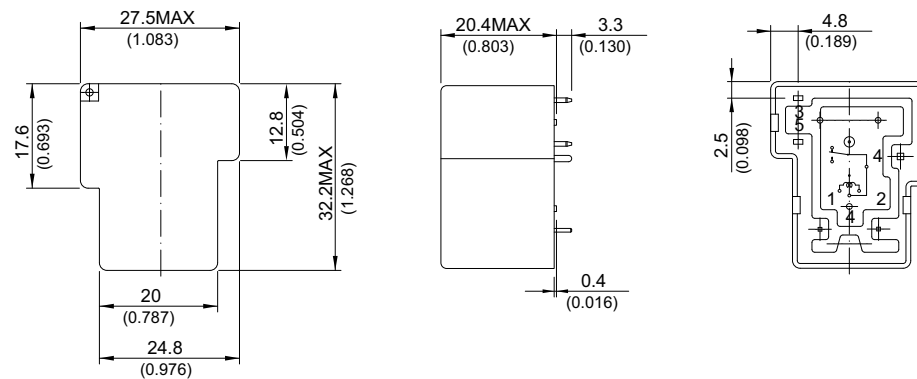
UL / CUL
NO: 40A 277VAC
NC: 40A 277VAC

» Outline Dimensions

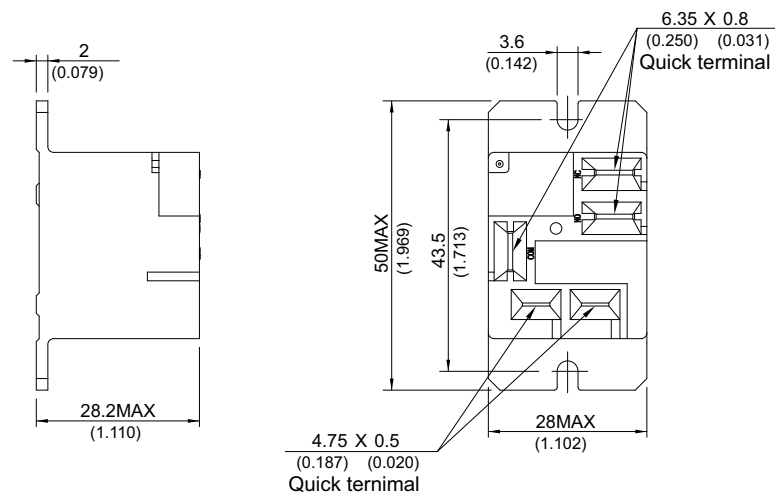
◆832HA(OPEN)



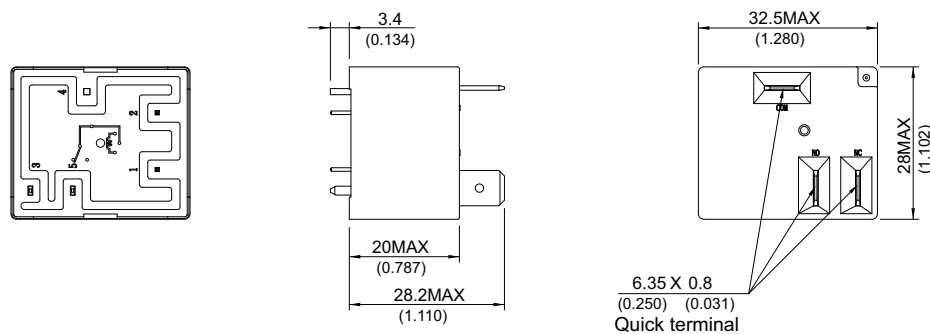
◆832HA



◆832HAW



◆832HAWP

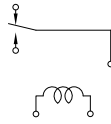


832HA

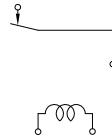
»» Wiring Diagram

BOTTOM VIEW

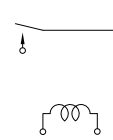
1C



1B



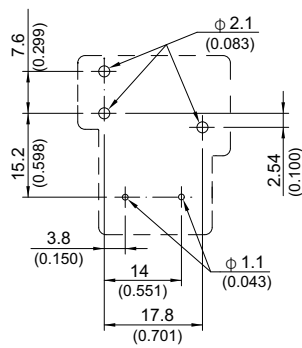
1A



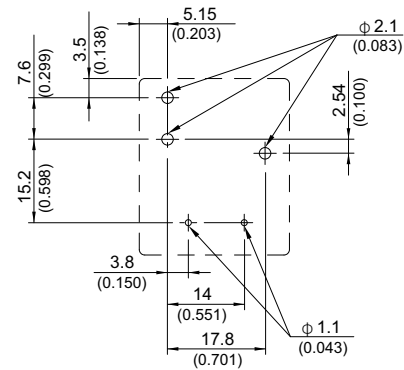
»» PC Board Layout

BOTTOM VIEW

◆832HA



◆832HAWP



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