

FEATURES

- ◆ Large Contact gap 2A--UP 2mm, 2C-- 1.5mm。
- ◆ Rating up to 12A/277VAC (2A)
- ◆ High dielectric strength
- ◆ Epoxy seal type and flux free.
- ◆ Application : For UPS safety。



ORDERING INFORMATION

894 **H** - **2A** **C** **1** - **F** - **C** **XXX**

1 2 3 4 5 6 7 8

<p>1 Type</p> <p>2 Blank-Standard type H-High capacity</p> <p>3 Contact form</p> <p>2A-DPNO,2C-DPDT</p>	<p>4 Contact material</p> <p>C-AgNi10 H-AgSnO alloy</p> <p>5 Contact gap 1-GAP\geq 1.5mm,2\geq 2.0mm</p> <p>6 Insulation system B-Class B Blank-Standard type F-Class F</p>	<p>7 Cover type</p> <p>C-Flux tight S-Sealed</p> <p>8 Special mark</p>
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TYPE LIST

Terminal style	Contact form	High capacity	Contact gap	Designation (provided with)	
				Flux tight	Sealed
(PCB terminal)	2A	H	1.5mm	894H-2AC1-F-C	894H-2AC1-F-S
		H	2.0mm	894H-2AC2-F-C	894H-2AC2-F-S
	2C	H	1.5mm	894H-2CC1-F-C	894H-2CC1-F-S
		H	2.0mm	894H-2CC2-F-C	894H-2CC2-F-S
	2A	H	1.5mm	894H-2AH1-F-C	894H-2AH1-F-S
		H	2.0mm	894H-2AH2-F-C	894H-2AH2-F-S
	2C	H	1.5mm	894H-2CH1-F-C	894H-2CH1-F-S
		H	2.0mm	894H-2CH2-F-C	894H-2CH2-F-S
	2A	-----	1.5mm	894-2AC1-F-C	894-2AC1-F-S
		-----	2.0mm	894-2AC2-F-C	894-2AC2-F-S
	2C	-----	1.5mm	894-2CC1-F-C	894-2CC1-F-S
		-----	2.0mm	894-2CC2-F-C	894-2CC2-F-S
	2A	-----	1.5mm	894-2AH1-F-C	894-2AH1-F-S
		-----	2.0mm	894-2AH2-F-C	894-2AH2-F-S

TYPE LIST

Terminal style	Contact form	High capacity	Contact gap	Designation (provided with)	
				Flux tight	Sealed
(PCB terminal)	2C	-----	1.5mm	894-2CH1-F-C	894-2CH1-F-S
		-----	2.0mm	894-2CH2-F-C	894-2CH2-F-S

CONTACT RATING

Type	894	894H
Resistive load	8A/240VAC	NO: 12A/240VAC NC: 10A/240VAC

COIL DATA

Rated voltage (V)	Rated current $\pm 10\%$ at 25°C (mA)	Coil resistance $\pm 10\%$ at 25°C (Ω)	Max. continuous voltage at 85°C	Pickup voltage (Max) at 25°C	Dropout voltage (Min) at 25°C	Power consumption at rated voltage
3	265	311.3	130 % of rated voltage	# % of rated voltage (see note)	5 % of rated voltage	Approx. 0.8W
5	161	31				
6	133	45				
9	89.1	101				
12	66.6	180				
18	44.4	405				
24	32.4	740				
48	16.7	2880				
60	13.3	4500				
110	7.3	15125				

Note: # = 75% Contact form 2A / Contact gap 1.5mm only # = 85% Contact form 2C / Contact gap 1.5mm only
 # = 85% Contact form 2A / Contact gap 2.0mm only

COIL DATA ONLY FOR "-2CX2"

Rated voltage (V)	Rated current $\pm 10\%$ at 25°C (mA)	Coil resistance $\pm 10\%$ at 25°C (Ω)	Max. continuous voltage at 85°C	Pickup voltage (Max) at 25°C	Dropout voltage (Min) at 25°C	Power consumption at rated voltage
3	468	6.4	130 % of rated voltage	85 % of rated voltage (see note)	5 % of rated voltage	Approx. 1.4W
5	277	18				
6	230	26				
9	155	58				
12	117	102				
18	78	230				
24	58	410				
48	29	1650				
60	23	2570				
110	13	8640				

SPECIFICATION

Contact resistance	100m Ω Max. (initial value)
Operate time	20 ms Max.
Release time	15 ms Max.
Insulation resistance	1000 M Ω Min.(DC 500V)
Dielectric strength	Between contact and coil :AC 5000 V , 50/60 Hz 1 minute.
	Between open contact :AC 2000 V , 50/60 Hz 1 minute.
	Between contact circuits :AC 2500 V , 50/60 Hz 1 minute.
Vibration resistance	Damage limits & Operating extremes 10 ~ 55 Hz , amplitude 1.5mm
Shock resistance	Damage limits:100G, Operating extremes:10G
Life expectancy for mechanical	3,000,000 operations (frequency 18,000 operations/hr)
Life expectancy for mechanical	1,000,000 operations (frequency 9,000 operations/hr) only for contact gap 2.0mm
Life expectancy for electrical	30,000 operations (frequency 360 operations/hr)

Operating temperature	- 40 ~ + 85 °C (no freezing)
Weight	Approx. 17 g

894



OUTLINE DIMENSIONS	WIRING DIAGRAM
PCB LAYOUT	

SAFETY APPROVAL		
Certified	CSA C/US	TUV
File No.	1223057	PENDING

SAFETY APPROVAL RATING (CSA C/US)	
894	894H
8A 277VAC	12A 277VAC
1/4HP 125VAC	10A 277VAC
1/2HP 250VAC	1/3HP 125VAC
TV-3 (for H contact)	3/4HP 250VAC
	TV-5 (for H contact)

SAFETY APPROVAL RATING (TUV)	
894	894H
8A 277V~AC	12A 277V~AC