

* SINCE 1976 *

HAT-900 SERIES HEAVY DUTY SPDT 40A NORMALLY OPEN & 30A NORMALLY CLOSED



 File E75887

 File LR49291

ORDERING INFORMATION

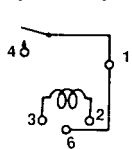
HAT	901	C	S	DC	12	-1
Temp. Class	Type	Form	Style	Coil	Coil Voltage	Option
Nil:	901: PC Pins Only	A: SPST-NO	Nil: Open	AC or DC	See Table	Pin 6 is Omitted
Class B	902: PC Pins & Quick Connects	B: SPST-NC	C: Cover, not sealed			UL 840
F:	903: Quick Connects Only — Flange Mount	C: SPDT	S: Cover, sealed			*

*Note: 902 relays do not have pin 6.

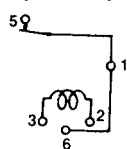
WIRING DIAGRAMS

PIN VIEW

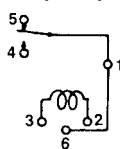
1 FORM A
(SPST-NO)



1 FORM B
(SPST-NC)



1 FORM C
(SPDT)



GENERAL SPECIFICATIONS

Contact Material: silver cadmium oxide with copper base
Max. continuous rated voltage: 110% of nominal voltage.
Pull-In voltage: 75% of nominal voltage. Max @ 25°C.
Drop-Out voltage: 10% of nominal voltage. Min @ 25°C.
Contact Resistance: 20 mΩ max. (Initial value)
Operating Temp: Class B: -20°C to 85°C
Class F: -20°C to 105°C

Insulation Resist: DC 500V 10 MΩ min.

Dielectric Strength: AC 2000V between contact and coil, frame and contact, coil and frame one minute. AC 1500V between contacts one minute.

Operate Time: approx. 15 ms.

Release Time: approx. 10 ms.

Electrical Life: 10 x 10⁴ operation min. for 30A resistive load (N.O.)
5 x 10⁴ operations min. for 40A Resistive Load (N.O.)

Mechanical Life: 10 x 10⁶ operation min.

DC COIL SPECIFICATIONS

Nominal Voltage (VDC)	Resistance ±10% @ 25°C (Ohms)	Coil Power @ 25°C (Watts)
5	27	.93
6	40	.90
9	97	.84
12	155	.93
15	256	.88
18	380	.85
22	640	.76
24	660	.87
48	2560	.88
110	13400	.90

AC COIL SPECIFICATIONS

Nominal Voltage (at 25°C)	Resistance ±10% @ 25°C (Ohms)	Coil Power @ 25°C (VA)
12VAC	27	Approx 2VA
24VAC	120	
110VAC	2,360	
120VAC	3,040	
220VAC	13,490	
240VAC	15,735	
277VAC	20,300	

MAXIMUM LOAD SPECIFICATIONS

Voltage	Load Type	SPNC	SPNO
AC	Resistive	30A 277VAC	40A 277VAC
	Motor	1HP 120VAC 2HP 277VAC	1HP 120 VAC 2HP 277VAC
	General Purpose	30A 277VAC	40A 277VAC
	Ballast	10A 120VAC 10A 277VAC	30A 120VAC 20A 277VAC
	Tungsten	2A 120VAC	10A 120VAC
DC	Resistive	30A 28VDC	30A 28VDC

Shock Operational - 10g for 11ms w/no contact opening

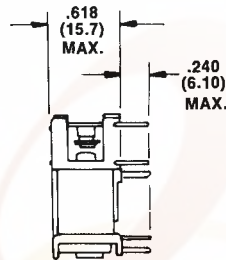
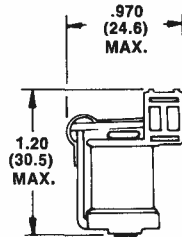
Shock Destructive - 100g

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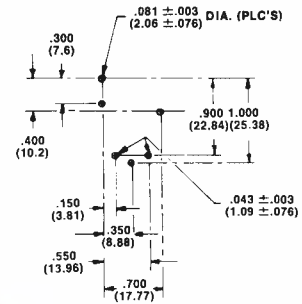
HAT-900 SERIES HEAVY DUTY

OUTLINE DIMENSIONS

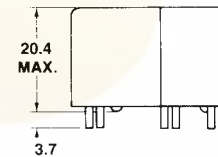
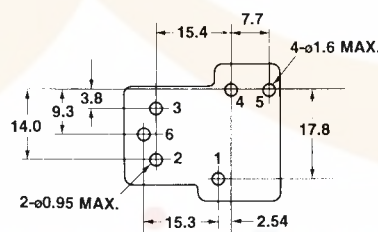
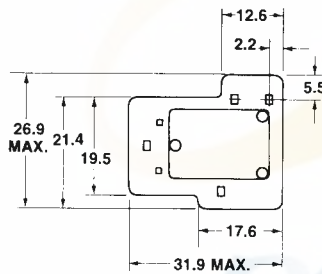
MECHANICAL SPECIFICATIONS
901 OPEN STYLE



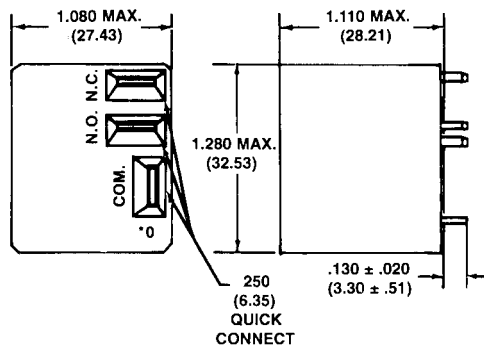
PC BOARD LAYOUT
VIEWED TOWARD TERMINALS



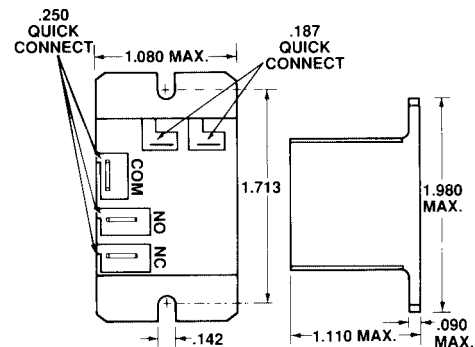
HAT 901 SERIES



HAT 902 SERIES



HAT 903 SERIES



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