

HE200 Features and Benefits



Features

- Multi-pole configuration (up to 5 normally open contacts)
- Combination normally open/normally closed option
- Available with 5V, 12V or 24V coil options as standard
- Magnetic shield option
- Lengthways coil option
- Staggered pins

Benefits

- One relay, many contacts reducing space and cost without compromising flexibility.
- Lower power coil consumption than competing electromechanical devices.
- Hermetically sealed switching contact is immune to the effects of its environment.

Applications

- Security
- Telecoms
- Instrumentation
- Process Control
- Industrial

DIMENSIONS

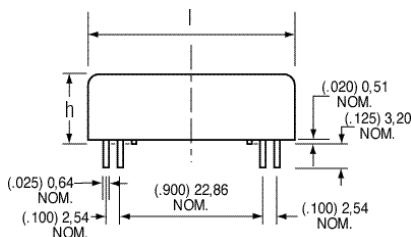


Figure 1 HE200

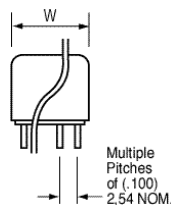
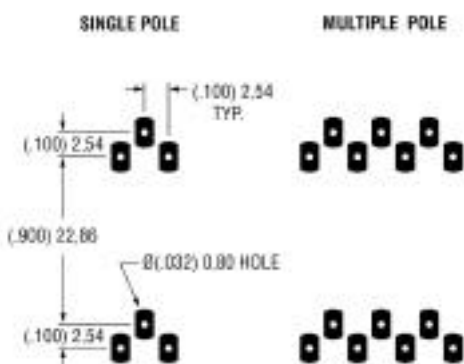


Figure 2 HE200

Table I

Relay Type	Case Size, Max.	All h	All l	l w	2 w	3 w
HE200	Metal Case, (in.),mm Plastic Case, (in.),mm	(.375) 9,5 (.394) 10	(1.260) 32 (1.280) 32,5	(.394) 10 (.414) 10,5	(.493) 12,5 (.512) 13	(.591) 15 (.611) 15,5

HE200 PCB LAYOUT (Bottom View)



ORDERING INFORMATION

PART NUMBER	HE2X	X	X	XX	X	X
Model Number	HE22 - Standard	HE25 - High Voltage				
Number of Contacts	1,2,3,4,5 (form A only)					
Contact Type	A - Form A (SPST-NO)	B - Form B (SPST-NC)	C - Form C (SPDT-CO)	X - Combination Form A and B		
Coil Termination	0 - End Coil	1 - Lengthwise				
Case Option	5 - Plastic case	9 - Metal case				
Standard Coil	05 - 5 Volt	12 - 12 Volt	24 - 24 Volt			

See next page for : Electrical and Operating Characteristics Description and Coil Characteristics

Table 2 HE200 Series			Electrical and Operating Characteristics @ 25° C.		
Column Number from Table 3			Column 1	Column 2	Column 3
Contact Type			Form A Form B Standard	Form C Standard	Form A High Voltage
Relay Types			HE200	HE200	HE200
CONTACT RATINGS Contact Hamlin for specific load/life details.	Power, Switching	Watt - max.	10	5	10
	Voltage, Switching	Vdc - max.	200	175	300
	Current, Switching	A - max.	0.5	0.25	0.5
	Current, Carry	A - max.	1.2	1.5	1.5
VOLTAGE HOLD-OFF	Across Open Contacts	Vdc - min.	250	200	450
	Contacts to Coil	Vac - min.	1500	1500	1500
	Between Isolated Terminals	Vac - min.	1500	1500	1500
	Plastic case Metal Case	Vac - min.	1000	1000	1000
RESISTANCE	Contact, Initial	W - max.	0.150	0.150	0.150
	Insulation: Across Open Contacts	W - min.	10 ¹⁰	10 ⁹	10 ¹⁰
	Between Isolated Terminals	W - min.	10 ¹⁰	10 ¹⁰	10 ¹⁰
TIMING	Operate Time	ms - max.	1.0	3.0	1.0
	Release Time	ms - max.	1.0	3.0	1.0
ENVIRONMENTAL	Temperature, Operating	°C	-40 to +85	-40 to +85	-20 to +85
	Temperature, Storage	°C	-40 to +105	-40 to +105	-40 to +105
	Vibration Resistance	G - max. 10-2000 Hz.	20	20	20
	Shock Resistance	G - max. 11 ms, ½ sine	50	50	50

Table 3 HE200 Series Miniature Relay					Coil Characteristics @ 25° C.				
Contact Form & Type	Electrical & Operating Characteristics	Dimensions Case Size	Part Number Note 1	Nominal Coil Voltage Vdc	Coil Resistance ±10% Ohms	Must Operate Vdc	Must Release Vdc	Maximum Coil Voltage Vdc	Top View 2,54 mm 0.1in Grid Dot on Case Pin 1 Numbers not printed on case
1A SPST-NO	See Table 2 Column 1	Table 1 Column 1	HE221A0550	5	140	3.5	0.28	11	