

HE3300 S.I.L Relay Features and Benefits



Features

- Miniature single in line package
- Available with 5V, 12V or 24V coil options as standard
- High voltage switching version
- Normally open and change over contact configurations available
- External magnetic shield option

Benefits

- Single in line configuration allows high packing densities, minimizing space and cost
- Lower power coil consumption than competing electromechanical devices
- Hermetically sealed switching contact is immune to its environment
- Transfer molded package gives maximum component protection

Applications

- Security
- Telecom
- Process Control
- Automatic Test Equipment
- Instrumentation

DIMENSIONS (in) mm

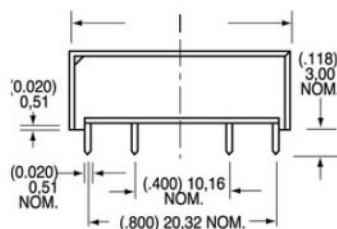


Figure 1 HE3321A, HE3351A

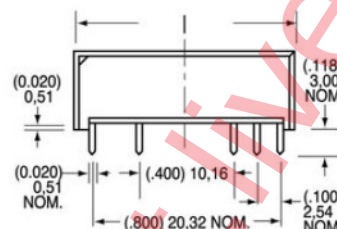


Figure 2 HE3321C

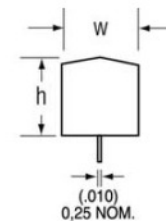


Figure 3 HE3300 (All)

Table 1

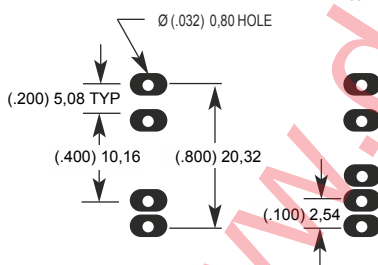
Relay Type	Body Type	l	w	h
HE3300	Transfer Molded	(.950) 24,13	(.276) 7,00	(.291) 7,40
	External Shield	(.980) 24,90	(.299) 7,60	(.307) 7,80

HE3300 PCB LAYOUT (Bottom View)

ORDERING INFORMATION

HE3321A
HE3351A

HE3321C



PART NUMBER

Model Number

HE3321 - Standard
HE3351 - High Voltage

Contact Type

A - Form A (SPST-NO)
C - Form C (SPDT-CO)

HE33XX X XX XX

General Options

00 - No Options
40 - External Magnetic Shield

Standard Coil

05 - 5 Volt
12 - 12 Volt
24 - 24 Volt

Example: The HE3321A0540 is a 1 Form A with a 5 Volt coil and external magnetic shield.

See next page for: Electrical, Operating and Coil Characteristics

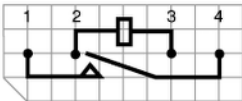
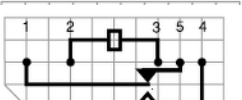
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TABLE 2 **HE3300 Series Recognized File #E47258**  **Electrical and Operating Characteristics @ 25 °C**

Column Number			1	2	3
Contact Type			Form A SPST-NO Standard	Form A SPST-NO High Voltage	Form C SPST-CO Standard
Relay Types			HE3321A	HE3351A	HE3321C
CONTACT RATINGS Contact Hamlin for specific load/life details	Power, Switching	Watt - max.	10	10	5
	Voltage, Switching	Vdc - max.	200	300	175
	Current, Switching	A - max.	0.5	0.5	0.25
	Current, Carry	A - max.	1.2	1.5	1.5
VOLTAGE HOLD-OFF	Across Open Contacts	Vdc - min.	250	450	200
	Contacts to Coil	Vac - min.	2500	2500	2500
RESISTANCE	Contact, Initial	Ω - max.	0.150	0.150	0.200
	Insulation Across Open Contacts	Ω - min.	10^{10}	10^{10}	10^{10}
	Insulation Between Isolated Terminals	Ω - min.	10^{10}	10^{10}	10^{10}
TIMING	Operate Time	ms - max.	1.0	1.0	3.0
	Release Time	ms - max.	1.0	1.0	3.0
ENVIRONMENTAL	Temperature, Operating	°C	-40 to +85	-20 to +85	-40 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 **HE3300 Series Relay** **Coil Characteristics @ 25 °C**

Contact Form & Type	Electrical & Operating Characteristics	Dimensions	Part Number	Nominal Coil Voltage Vdc	Coil Resistance $\pm 10\%$ Ohms	Must Operate Vdc	Must Release Vdc	Maximum Coil Voltage Vdc	Top View 2.54 mm, 0.1 in Grid Dot on Case: Pin 1 Numbers not printed on case.
1A SPST-NO	See Table 2 Column 1	See Figure 1	HE3321A0500	5	500	3.75	0.5	22	
			HE3321A1200	12	500	9.0	1.0	22	
			HE3321A2400	24	2000	18.0	2.0	44	
1C SPDT-CO	See Table 2 Column 3	See Figure 2	HE3321C0500	5	125	3.75	0.5	11	
			HE3321C1200	12	500	9.0	1.0	22	
			HE3321C2400	24	2000	18.0	2.0	44	
1A SPST-NO High Voltage	See Table 2 Column 2	See Figure 1	HE3351A0500	5	125	3.75	0.5	11	
			HE3351A1200	12	500	9.0	1.0	22	
			HE3351A2400	24	2000	18.0	2.0	44	

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