

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, minimising space and cost
- Lower power coil consumption than competing electromechanical devices
- Hermetically sealed switching contact is immune to the effects of its environment
- Transfer moulded package gives maximum component protection

Applications

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

DIMENSIONS (in) mm

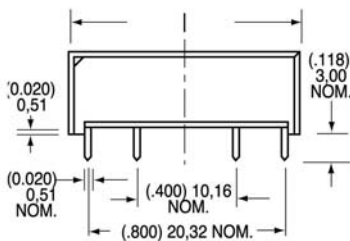


Figure 1 HE3321A, HE3351A

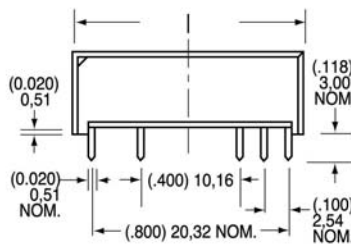


Figure 2 HE3321C

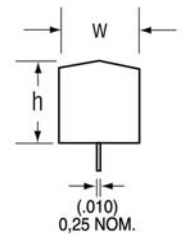
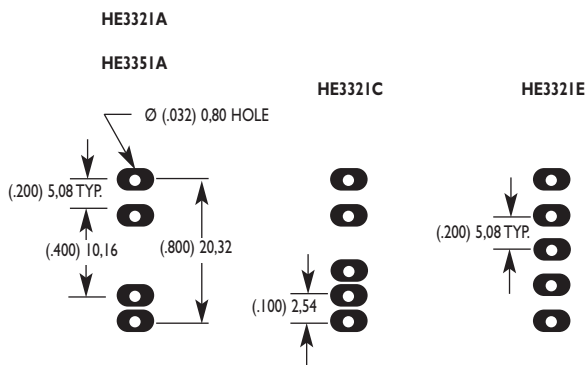


Figure 3 HE3300 (All)

Table 1

Relay Type	Body Type	l	w	h
HE3300	Transfer Moulded	(.950) 24,13	(.300) 7,62	(.335) 8,51
	External Shield	(.980) 24,90	(.320) 8,12	(.345) 8,76

HE3300 PCB LAYOUT (Bottom View)



ORDERING INFORMATION

PART NUMBER HE33XX X XX XX

Model Number

- HE3321 - Standard
- HE3351 - High Voltage

Contact Type

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

General Options

- 00 - No Options
- 40 - External Magnetic Shield

Standard Coil

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

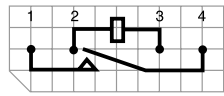
EXAMPLE: The HE3321A0540 is a I Form relay with a 5 Volt coil and external magnetic shield

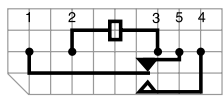
See next page for: **Electrical and Operating Characteristics Description and Coil Characteristics**

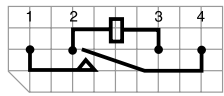
Table 2 HE3300 Series  **Electrical and Operating Characteristics @ 25°C.**

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 Voltage, Switching Current, Switching Current, Carry	Watt - max. Vdc - max. A - max. A - max.	10 200 0.5 1.2	10 300 0.5 1.5	5 175 0.25 1.5
VOLTAGE HOLD-OFF	Across Open Contacts Contacts to Coil	Vdc - min. Vac - min.	250 2500	450 2500	200 2500
RESISTANCE	Contact, Initial Insulation: Across Open Contacts Between Isolated Terminals	Ω - max. Ω - min. Ω - min.	0.150 10^{10} 10^{10}	0.150 10^{10} 10^{10}	0.200 10^8 10^{10}
TIMING	Operate Time Release Time	ms - max. ms - max.	1.0 1.0	1.0 1.0	3.0 3.0
ENVIRONMENTAL	Temperature, Operating Temperature, Storage Vibration Resistance Shock Resistance	°C °C G - max. 10-2000 Hz. G - max. 11 ms, 1/2 sine	-40 to +85 -40 to +105 20 50	-20 to +85 -40 to +105 20 50	-40 to +85 -40 to +105 20 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.
IA SPST-NO	See Table 2 Column 1	See Figure 1	HE3321A0500 HE3321A1200 HE3321A2400	5 12 24	500 500 2000	3.75 9.0 18.0	0.5 1.0 2.0	22 22 44	

IC SPDT-CO	See Table 2 Column 3	See Figure 2	HE3321C0500 HE3321C1200 HE3321C2400	5 12 24	125 500 2000	3.75 9.0 18.0	0.5 1.0 2.0	11 22 44	
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IA SPST-NO High Voltage	See Table 2 Column 2	See Figure 1	HE3351A0500 HE3351A1200 HE3351A2400	5 12 24	125 500 2000	3.75 9.0 18.0	0.5 1.0 2.0	11 22 44	
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