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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

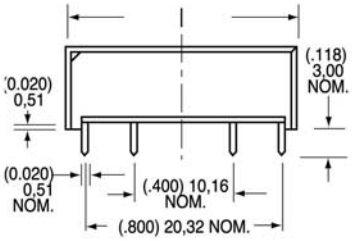


Figure 1 HE3321A, HE3351A

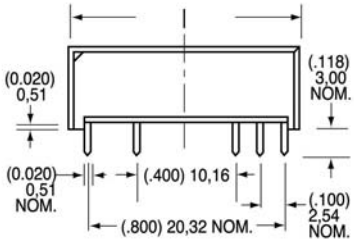


Figure 2 HE3321C

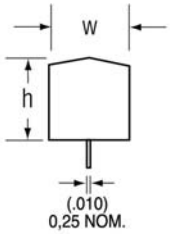
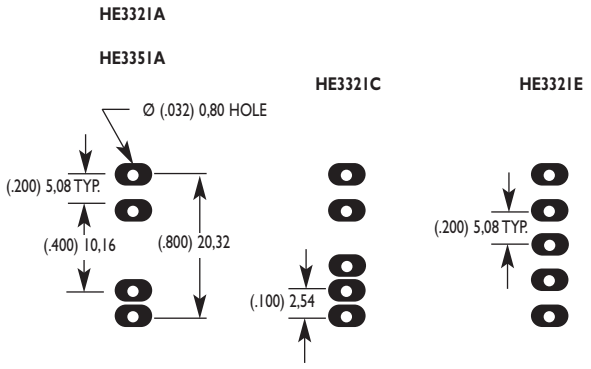


Figure 3 HE3300 (All)

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 1 Form relay with a 5 Volt coil and external magnetic shield

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

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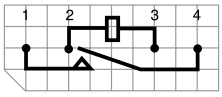
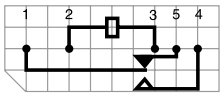
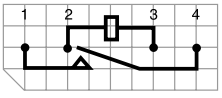
Table 2 HE3300 Series Recognised File #E47258 Electrical and Operating Characteristics @ 25°C.

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	Power, Switching	Watt - max.	10	10	5
Contact Hamlin	Voltage, Switching	Vdc - max.	200	300	175
for specific	Current, Switching	A - max.	0.5	0.5	0.25
load/life details	Current, Carry	A - max.	1.2	1.5	1.5
VOLTAGE	Across Open Contacts	Vdc - min.	250	450	200
HOLD-OFF	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^{9}
	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 ±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	