

H3300

Miniture Single In-line Reed Relay

Table 2
Electrical and Operating Characteristics @ 25°C

Characteristics			Contact Type		
			Form A SPST-NO Standard	Form A SPST-NO High Voltage	Form C SPST-CO Standard
			Relay Types		
			HE3321A	HE3351A	HE3321C
Contact Rating ¹	Power, Switching	Watt - max.	10	10	5
	Voltage, Switching ²	Vdc - max.	200	300	175
		Vac - max.	140	265	120
	Current, Switching ³	Adc - max.	0.5	0.5	0.25
Aac - max.		0.35	0.35	0.18	
	Current, Carry	Adc - max.	1.2	1.5	1.5
Voltage Hold-off ⁴	Across Open Contacts Contacts to Coil	Vdc - min.	250	450	200
		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		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 ⁵	°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

Notes:

1. Contact rating - Product of the switching voltage and current should never exceed the wattage rating. Contact Littelfuse for additional load/lofe information.
2. When switching inductive and/or capacitive loads, the effects of transient voltages and/or currents should be considered. Refer to Application Notes AN108A & AN107 for details.
3. Electrical Load Life Expectancy - Contact Littelfuse with voltage current values along with type of load.
4. Breakdown Voltage - Per MIL-STD-202, Method 301.
5. Storage Temperature - Long time exposure at elevated temperature may degrade solderability of the leads.

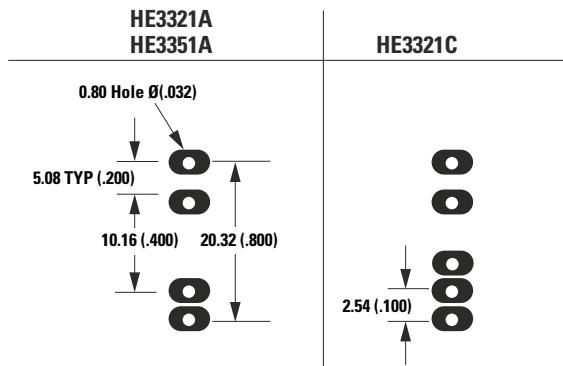
Table 3
Coil Characteristics @ 25°C

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 2.54mm (0.1") Grid Dot on Case: Pin 1 Numbers not printed on case.
1A SPST-NO	See Table 2 Column 1	See Figure 1	HE3321A0400	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	

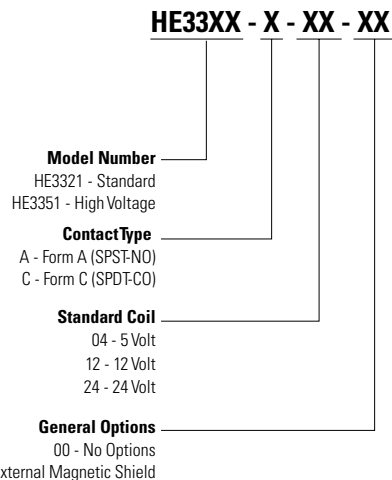
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Miniature Single In-line Reed Relay

HE3300 PCB Layout (Bottom View)



Part Numbering System



Note: Not all combinations of Part Number suffixes are available. Contact Littelfuse for details.

Packaging

Packaging Option	Packaging Specification	Quantity	Quantity & Packaging Code	Taping Width
Bulk	Bulk	500	N/A	N/A

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