

HE 3300 SERIES



MINIATURE REED RELAYS Single In-Line

- Transfer Molded Body
- Dry & Mercury-Wetted Contacts
- High Voltage Contacts
- File# E 47258

TABLE 1 - DIMENSIONS NOTE: Max. unless indicated otherwise

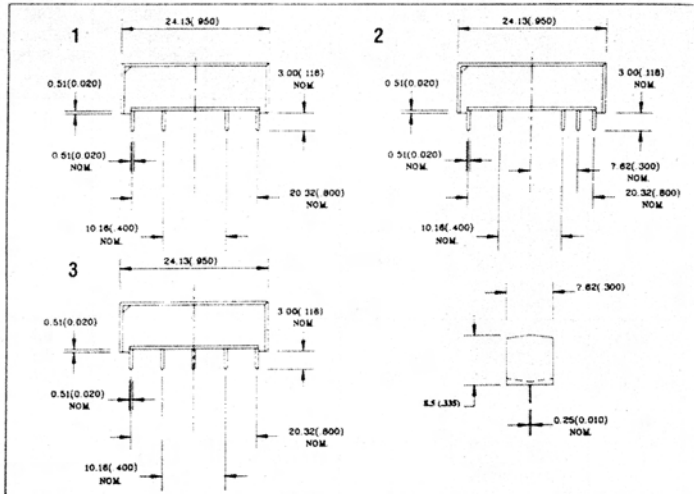


TABLE 2 - ELECTRICAL AND OPERATING CHARACTERISTICS

Column Number		1	2	3	4
		Form A Dry Reed Standard	Form A Dry Reed High Voltage	Form A Hg. Wetted High Voltage	Form C Dry Reed Standard
CONTACT RATINGS					
Power, Switching	Watts, Maximum	10	10	50	5
Voltage, Switching	Vdc, Maximum	200	300	500	175
Current, Switching	Amperes, Maximum	0.5	0.5	2	0.25
Current Carry	Amperes, Maximum	1.2	1.2	4	1
CONTACT RESISTANCE					
Initial	Ohms, Maximum	0.200	0.200	0.070	0.200
Operating Temperature	Degrees, Celsius	-40 to +85	-20 to +85	-20 to +85	-40 to +85
Storage Temperature	Degrees, Celsius	-40 to +105	-40 to +105	-35 to +105	-40 to +105
Mounting Position	Degrees from Vertical	Any	Any	30	Any
Vibration Resistance	G's, Max., 10-2000 Hz	20	20	Contact Hamlin	20
Shock Resistance	G's, Max., 11ms 1/2 sine	50	50	5	50
INSULATION RESISTANCE					
Across Open Contacts	Ohms, Typical	10 ¹⁰	10 ¹⁰	10 ¹⁰	10 ⁹
Between Isolated Pins		10 ¹⁰	10 ¹⁰	10 ¹⁰	10 ¹⁰
LIFE EXPECTANCY					
TIMING					
Operate Time	ms, Max., Incl. Bounce	1A 1.0	1A 1.0	1A 3.0	1C 3.0
Release Time	ms, Max., Diode Suppressed	0.5	0.6	3.0	3.0
Drain Time	Seconds, Max.	*	*	30	*
VOLTAGE HOLD-OFF					
Across Open Contacts	Vdc, Minimum	250	450	1500	200
Coil to Contacts	Vac, Minimum	2500	2500	2500	1000

TABLE 3 - RELAY DESCRIPTION AND COIL CHARACTERISTICS

Contact Form & Type	Operating Data See Table 2 (Column)	Dimensions See Table 1 (Figure)	Part Number	Nominal Coil Voltage Vdc	Coil Resistance ± 10% @ 25°C Ohms	Must Operate Vdc @ 25°C	Must Release Vdc @ 25°C	Maximum Coil Voltage Vdc @ 25°C	Top View 2,54 mm, 0.10 in. Grid (Numbers Do Not Appear On Relay)
1A SPST-NO Dry Reed	1	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 Dry Reed Standard Footprint	4	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	
1C SPDT-CO Dry Reed Type (E) Footprint	4	3	HE3321E0500	5	125	3.75	0.5	11	
			HE3321E1200	12	500	9.0	1.0	22	
			HE3321E2400	24	2000	18.0	2.0	33	
1A SPST-NO Hg. Wetted High Voltage	3	1	HE3331A0500	5	125	3.75	0.5	11	
			HE3331A1200	12	500	9.0	1.0	22	
			HE3331A2400	24	2000	18.0	2.0	44	
1A SPST-NO Dry Reed High Voltage	2	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	

Note HE33300:

1) Optional external magnetic shield available. Replace last two digits of part number with 40.