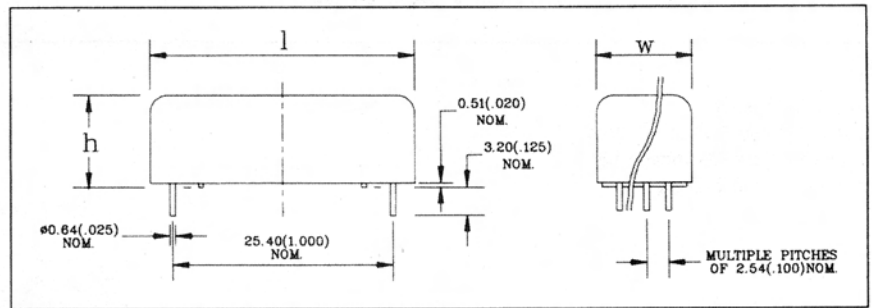


HE 400 SERIES



TABLE 1 – DIMENSIONS NOTE: Max. unless indicated otherwise.



MINIATURE REED RELAYS 10M Grid Pin Spacing

- Fully Encapsulated
- Dry & Mercury-Wetted Contacts
- High Voltage Contacts
- Plastic or Metal Case

Case Size	AM	AM	1	2	3	4	5
Dimension, Max.	h	l	w	w	w	w	w
Metal Case, mm (in)	9.0 (0.354)	30.0 (1.182)	10.0 (0.394)	12.5 (0.493)	15.0 (0.591)	N/A	N/A
Plastic Case, mm (in)	9.0 (0.354)	30.0 (1.182)	10.0 (0.394)	12.5 (0.493)	15.0 (0.591)	17.5 (0.689)	20.0 (0.788)

TABLE 2 – ELECTRICAL AND OPERATING CHARACTERISTICS

Column Number		1	2	3	4
Characteristics	Units	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	0.75	2	0.25
Current, Carry	Amperes, Maximum	1.2	1.5	4	1
CONTACT RESISTANCE					
Initial	Ohms, Maximum	0.150	0.150	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 2A 1.0 3A 1.0 4A 1.0	1A 1.0 2A 1.0 3A 1.0 4A 1.0	1A 3.0 2A 3.0 • •	1C 3.0 2C 3.0 3C 3.0 4C 3.0
Release Time	ms, Max. Diode Suppressed	0.5	0.6	2.0	2.0
Drain Time	Seconds, Max.	•	•	30	•
VOLTAGE HOLD-OFF					
Across Open Contacts	Vdc, Minimum	250	600	1500	200
Between Isolated Terminals					
Plastic Case	Vac, Minimum	1500	1500	1500	1500
Metal Case		1000	1000	1000	1000