HE3600 Miniature S.I.L. Relay Features and Benefits



Features

- Miniature single in line
- Optional coil suppression diode to protect coil drive circuits
- Normally open contact version
- Specialist ATE version
- External magnetic shield option
- Diode suppression option

Benefits

- Sub-miniature size and single in line configuration allows very high packing densities, minimising space and cost
- Designed specifically to meet the ATE environment
- 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

- Telecoms
- Instrumentation
- Process
- Automatic Test Equipment

DIMENSIONS (in) mm

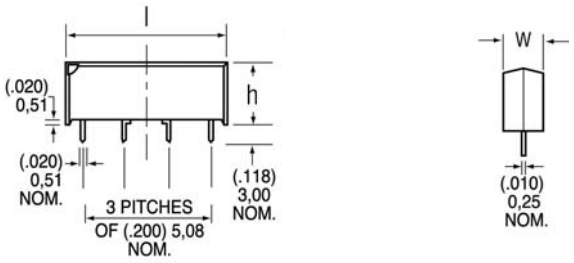
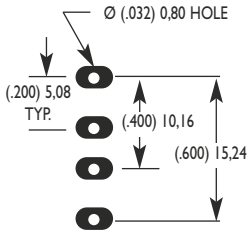


Table 1

Relay Type	Body Type	l	w	h
HE3600	Transfer Molded	(.750) 19,05	(.200) 5,08	(.300) 7,62
	External Shield	(.795) 20,20	(.238) 6,05	(.310) 7,87

HE3600 PCB LAYOUT (Bottom View)



ORDERING INFORMATION

PART NUMBER HE36XX X XX XX

Model Number
HE3621 - Standard
HE3671 - Data Switching

Contact Type
A - Form A (SPST-NO)

Standard Coil
05 - 5 Volt
12 - 12 Volt
24 - 24 Volt

General Options
00 - No Options
10 - Diode Suppressed Coil
40 - External Magnetic Shield
50 - External Magnetic Shield and diode

EXAMPLE: The HE3621A0550 is a 1 Form relay with a 5 Volt coil and external magnetic shield and diode

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

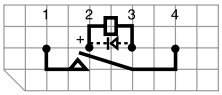
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Table 2 HE3600 Series Recognised File #E47258 Electrical and Operating Characteristics @ 25°C.

Contact Type			**Form A SPST-NO Standard**	**Form A SPST-NO Data Switching**
Relay Types			**HE3621A**	**HE3671A**
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	10 200 0.5 0.8
VOLTAGE HOLD-OFF	Across Open Contacts Contacts to Coil Between Isolated Terminals	Vdc - min. Vac - min. Vac - min.	250 1500 1500	250 1500 1500
RESISTANCE	Contact, Initial Insulation: Across Open Contacts Between Isolated Terminals	□Ω - max. Ω - min. □Ω- min.	0.150 10^{10} 10^{10}	0.100 10^{11} 10^{11}
TIMING	Operate Time Release Time	ms - max. ms - max.	1.0 1.0	1.0 1.0
ENVIRONMENTAL	Temperature, Operating Temperature, Storage Vibration Resistance Shock Resistance	°C °C G - max. 10-2000 Hz. G - max. 11 ms, ½ sine	-40 to +85 -40 to+ 105 20 50	-40 to +85 -40 to +105 20 50

Table 3 HE3600 Series Miniature 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	See Table 1	HE3621A0500 HE3671A0500 HE3621A1200 HE3671A1200 HE3621A2400 HE3671A2400	5 12 24	500 1000 2150	3.75 8.0 16.0	0.5 1.0 2.0	14 22 31	

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