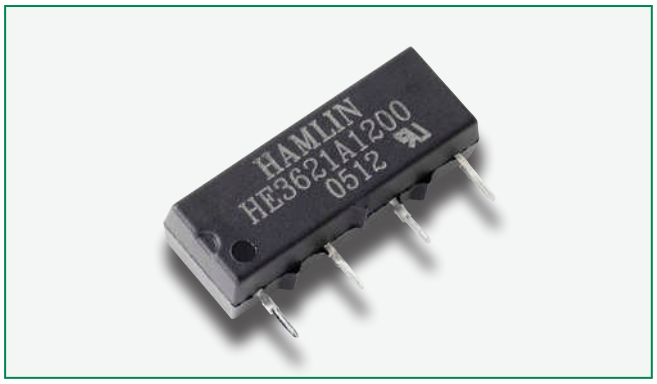
HE3600 Miniature Single In-line Reed Relay



Description

The HE3600 is a miniature reed relay in a SIL package with a normally open contacts capable of switching up to 200Vdc at 10W. It is available with 5V, 12V, and 24V coils and has external magnetic shield and diode suppressed coil options.

Features

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

Agency Approvals

Agency	Agency File Number
c UL us	E47258

Note: Contact Littelfuse for specific agency approval ratings.

Benefits

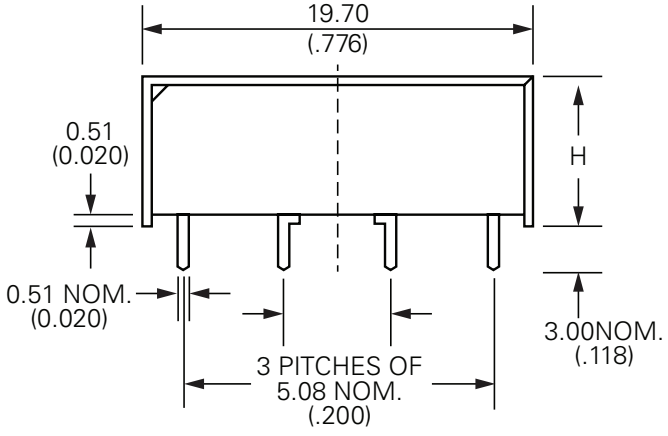
- Sub-miniature size and single in line configuration allows very high packing densities, minimizing space and cost
- Transfer molded package gives maximum component protection
- Lower power coil consumption than competing electromechanical devices
- Hermetically sealed switching contact is immune to the effects of its environment

Applications

- Security Systems
- Telecom Equipment
- Process Control Systems
- Automatic Test Equipment
- Instrumentation

Dimensions

Dimensions in mm (inch)



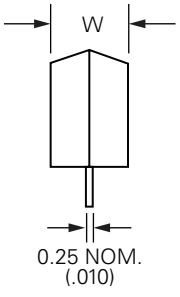


Table 1: Dimension

Relay Type	Body Type	L	W	H
HE3600	Transfer Molded	19.05 (.750)	5.08 (.200)	7.45 (.293)
	External Shield	19.70 (.776)	5.65 (.222)	7.87 (.310)

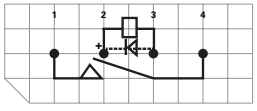
© 2016 Littelfuse
Specifications are subject to change without notice.

HE3600 Miniature Single In-line Reed Relay

Table 2: Electrical and Operating Characteristics @ 25°C

Column Number			1
Contact Type			Form A SPST-NO Standard
Relay Types			HE3621A
Contact Rating [1]	Power, Switching Voltage, Switching Current, Switching Current, Carry	Watt - max. Vdc - max. A - max. A - max.	10 200 0.5 1.2
Voltage Hold-off [4]	Across Open Contacts Contacts to Coil Between Isolated Terminals	Vdc - min. Vac - min. Vac - min.	250 1500 1500
Resistance [5]	Contact, Initial Insulation Across Open Contacts Insulation Between Isolated Terminals	Ω max. Ω min. Ω min.	0.150 10^{10} 10^{10}
Timing	Operate Time Release Time	ms - max. ms - max.	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

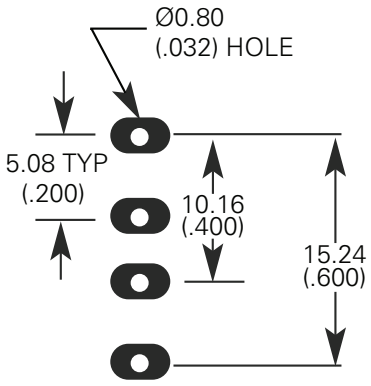
Table 3: Coil Characteristics @ 25°C

Contact Form and Type	Electrical and 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	See Table 1	HE3621	5 12 24	500 1000 2150	3.75 8.0 16.0	0.5 1.0 2.0	14 22 31	

© 2016 Littelfuse Revised: 03/04/16
Specifications are subject to change without notice.

HE3600 Miniature Single In-line Reed Relay

HE3600 PCB LAYOUT (Bottom View)



Part Numbering System

HE3600 - X - XX - X

Model Number
HE3621 - Standard

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 Supressed Coil
40 - External Magnetic Shield
50 - Ext. Magnetic Shield and Diode

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	1000/5000	N/A	N/A

© 2016 Littelfuse Revised: 03/04/16
Specifications are subject to change without notice.