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Jameco Part Number 1860088



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

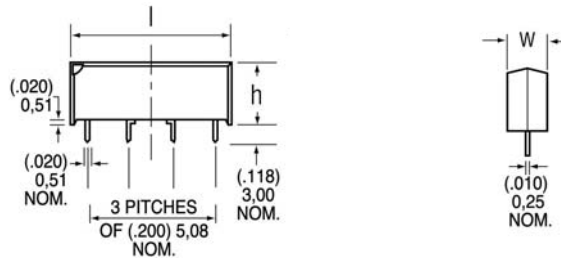
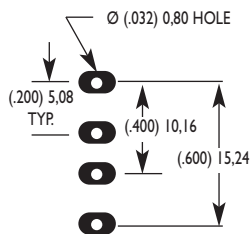


Table I

| Relay Type | Body Type | l | w | h |
|------------|------------------|--------------|-------------|-------------|
| HE3600 | Transfer Moulded | (.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 I Form relay with a 5 Volt coil and external magnetic shield and diode

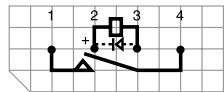
See next page for: **Electrical and Operating Characteristics Description and Coil Characteristics**

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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} 10^9 | 0.100 10^{11} 10^{11} |
| TIMING | Operate Time Release Time | ms - max. ms - max. | 0.5 0.5 | 0.5 0.5 |
| ENVIRONMENTAL | Temperature, Operating Temperature, Storage Vibration Resistance Shock Resistance | $^{\circ}\text{C}$ $^{\circ}\text{C}$ G - max. 10-2000 Hz. G - max. 11 ms, 1/2 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 $\pm 10\%$ 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. |
|---------------------|--|-------------|--|--------------------------|---------------------------------|---------------------|-------------------|--------------------------|---|
| IA 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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