

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

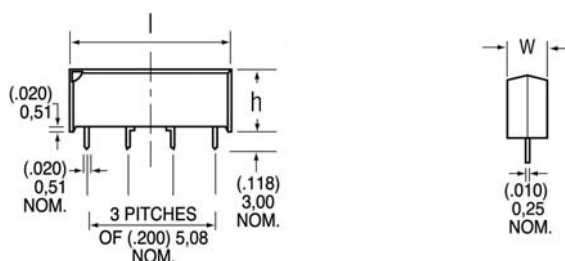
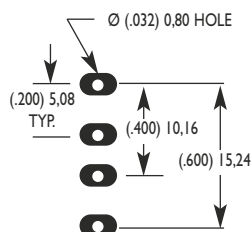


Table I

Relay Type	Body Type	I	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 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**

Hamlin USA Tel: +1 920 648 3000 • Fax: +1 920 648 3001 • Email: sales.us@hamlin.com
Hamlin UK Tel: +44 (0)1379 649700 • Fax: +44 (0)1379 649702 • Email: sales.uk@hamlin.com
Hamlin Germany Tel: +49 (0) 6142 923920 • Fax: +49 (0) 6142 923921 • Email: sales.de@hamlin.com
Hamectrol France Tel: +33 (0) 1 6047 3000 • Fax: +33 (0) 1 6015 9136 • Email: sales.fr@hamlin.com

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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	Power, Switching	Watt - max.	10	10
Contact Hamlin	Voltage, Switching	Vdc - max.	200	200
for specific	Current, Switching	A - max.	0.5	0.5
load/life details	Current, Carry	A - max.	1.2	0.8
VOLTAGE	Across Open Contacts	Vdc - min.	250	250
HOLD-OFF	Contacts to Coil	Vac - min.	1500	1500
	Between Isolated Terminals	Vac - min.	1500	1500
RESISTANCE	Contact, Initial	$\square \Omega$ - max.	0.150	0.100
	Insulation: Across Open Contacts	Ω - min.	10^{10}	10^{11}
	Between Isolated Terminals	$\square \Omega$ - min.	10^{10}	10^{11}
TIMING	Operate Time	ms - max.	1.0	1.0
	Release Time	ms - max.	1.0	1.0
ENVIRONMENTAL	Temperature, Operating	°C	-40 to +85	-40 to +85
	Temperature, Storage	°C	-40 to +105	-40 to +105
	Vibration Resistance	G - max.	20	20
		10-2000 Hz.		
	Shock Resistance	G - max.	50	50
		11 ms, ½ sine		

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			HE3621A0500	5	500	3.75	0.5	14	
SPST-NO	See Table 2	See Table 1	HE3671A0500						
			HE3621A1200	12	1000	8.0	1.0	22	
			HE3671A1200						
			HE3621A2400	24	2150	16.0	2.0	31	
			HE3671A2400						

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