

9575H Series 3000 Relay



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### 9575H Series 3000—Type AA, AC and DC

#### Product Description

Type AA panel-mounted relays are rated (each pole) 40A up to 300 Vac, 50/60 Hz; 5A at 480/600 Vac, 50/60 Hz and 40A at 28 Vdc.

#### Application Description

9575H Series 3000 relays are ideal for applications when controlling smaller loads, such as single-phase motors.

#### Standards and Certifications

- UL listed, E1491
- CSA 41729
- CE: EN60947-4-1, EN60947-5-1



## Product Selection

### When Ordering, Specify

Catalog number and magnet coil code letter. Example: for DPDT relay with auxiliary

switch and a 120V 50/60 Hz coil, order Catalog Number 9575H3A010.

### 9575H Series 3000 Relay



### Type AA Relays <sup>①</sup>

Relay Style	Catalog Number <sup>②</sup>
Relay (DPDT)	9575H3_000
Relay with auxiliary switch	9575H3_010
Relay with blowout magnets	9575H3_100
Relay with auxiliary switch and blowout magnets	9575H3_110

### Coil Voltage Selection

Coil Voltage	Hz	Suffix Code
<b>Volts AC</b>		
120	50/60	A
240	50/60	B
480/440	60/50	C
600/550	60/50	D
208	50/60	E
277	50/60	H
6	50/60	J
12	50/60	K
24	50/60	L
48	50/60	M
<b>Volts DC</b>		
110	—	P
220	—	Q
6	—	R
12	—	S
24	—	T
48	—	W

## Accessories

### Enclosure <sup>③</sup>

Description	Catalog Number
NEMA 1 Enclosure	9575H2449

### Notes

- ① There are no “repair parts” available for these relays.
- ② Underscore indicates missing code suffix for magnet coil—see Selection table above.
- ③ Only 9575H3 relays without an auxiliary switch should be mounted in the 9575H2449 enclosure.

## Technical Data and Specifications

### Relay Specifications

#### Coil

- Pull-in voltage: 80% DC coils, 85% AC coils of nominal voltage or less at 25°C
- Dropout voltage: 10% of nominal voltage or more at 25°C
- Coil resistance:  $\pm 10\%$  measured at 25°C
- Max. DC coil dissipation capability: 4 watts DC continuous at 25°C

#### Contacts

- Contact combination: DPDT
- Contact rating each pole (main contacts): Each pole rated 40 amps up to 300 Vac, 50/60 Hz, 5 amps at 480/600 Vac 50/60 Hz, 0.75 PF load. 1-1/2 hp motor load (each pole) at 120–600 Vac, 50/60 Hz. 2 hp motor load at 200–600 Vac, 50/60 Hz only when using both poles to switch both sides of load, 40 amps at 28 Vdc resistive load each pole. NEMA A 600 pilot duty 50/60 Hz
- Additional contact ratings for relays with blowout magnets: 10A at 110 Vdc resistive, 4A at 225 Vdc resistive, 2A at 325 Vdc resistive. For inductive loads, contacts must be derated accordingly.
- Contact material: Silver cadmium oxide, gold flashed. 5/16 in (7.9 mm) diameter standard

### Dielectric Withstanding Voltage

- Between open contacts: 1500  $V_{rms}$
- All other mutually insulated conductive elements: 2200  $V_{rms}$

### Miscellaneous

- Coil terminals: 6–32 screws
- Contact terminals: 8–32 screws
- Main base material: Molded phenolic, UL recognized (QMFZ2)
- Weight (DPDT Relay): 11 oz (311 grams) approximately
- Weight (DPDT Relay with auxiliary switch) 14.5 oz (411 grams) approximately

### Auxiliary Switch Specifications

- Contact combination: SPDT
- Contact rating: Auxiliary switch rated 10 amps at 125 or 250 Vac, resistive load; 1/4 hp at 125 or 250 Vac, motor load; 0.4 amps at 125 Vdc or 0.20 amps at 250 Vdc, resistive load; 3 amps at 125 Vac lamp load. All AC ratings are 50/60 Hz
- Dielectric withstanding voltage: 500 Vac rms between open contacts, 1500 Vac rms between all other mutually insulated conductive elements
- Terminals: 4–40 round head screws for auxiliary contacts standard

### Average Operating Times (Milliseconds)

Operation	DPDT Relay	DPDT Relay with Auxiliary Switch
Pickup	40	50
Dropout	35	35

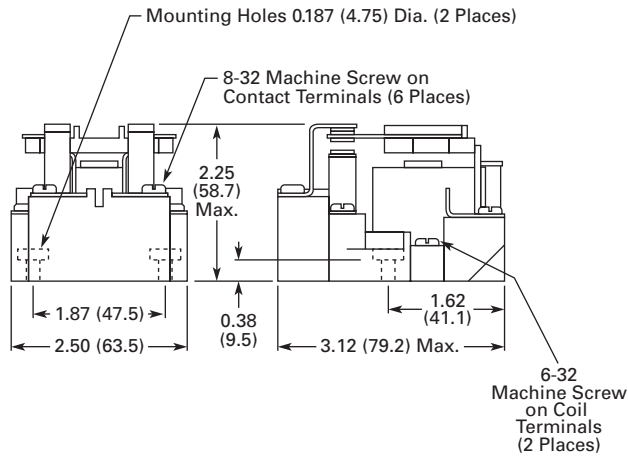
### Temperature Ranges

Temperature	AC	DC
Operating range	–30° to 55°C	–30° to 55°C
Non-operating range	–30° to 100°C	–30° to 100°C

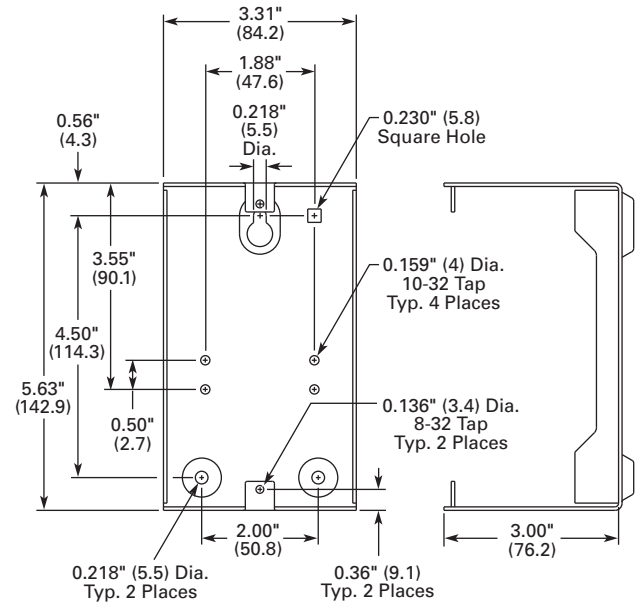
### Dimensions

Approximate Dimensions in Inches (mm)

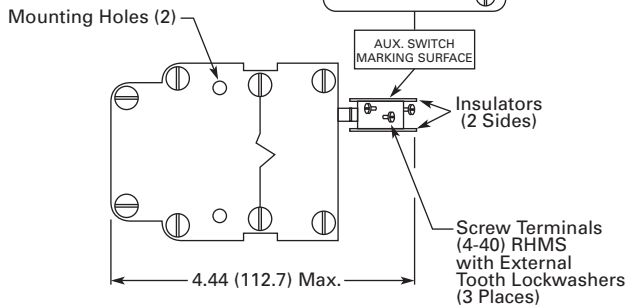
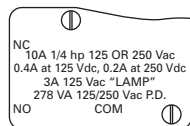
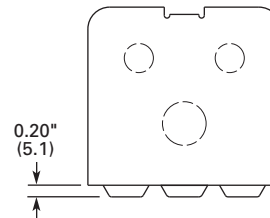
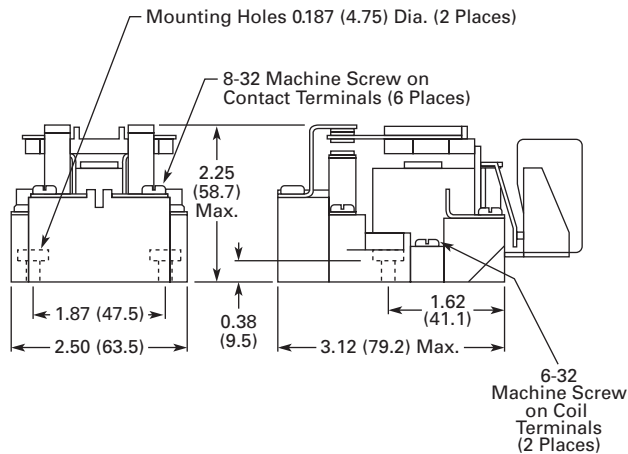
#### 9575H3 DPDT Relay



#### 9575H2449



#### 9575H3 DPDT Relay with Auxiliary SPDT Switch



RELAY TOP VIEW