



## 9400 series

### Power Relay 1-pole, 8-12 FLA AC or DC Coil

File E75492

Users should thoroughly review the technical data before selecting a product part number. It is recommended that users also seek out the pertinent approvals files of the agencies/laboratories and review them to ensure the product meets the requirements for a given application.

#### Features

- Single-pole relay used extensively in HVAC applications.
- Multi-positional mounting without affecting operation.
- Convenient 0.250" (6.35 mm) quick connect terminals.

#### Contact Data @ 25°C

**Arrangements:** 1 Form X (SPST-NO-DM), 1 Form Y (SPST-NC-DB),  
1 Form Z (SPDT-DM-DB) & 1 Form Z (SPDT-DM-DB)  
jumpered to wire as 1 Form C (SPDT).

**Materials:** Silver Alloy and Fine Silver.

#### Maximum Ratings:

##### Silver Alloy (Power) Contacts

All Forms: 12 FLA, 60 LRA @ 125VAC;  
18A @ 125VAC, resistive;  
8 FLA, 48 LRA @ 240/277VAC;  
18A @ 240/277VAC, resistive.

1 Form X only: 25A @ 240/277VAC, resistive.

##### Fine Silver (Pilot) Contacts

All Forms: 3A, 277VAC;  
125VA @ 125VAC;  
250VA @ 250VAC;  
277VA @ 277VAC;

**Expected Life:** 1 million ops., mechanical.

250,000 ops., at rated resistive load.  
100,000 ops., at rated inductive load.

#### Initial Dielectric Strength

**Initial Breakdown Voltage:** 1,554 VAC between live parts and exposed non-current carrying metal parts.

#### Coil Data @ 25°C

**Voltage:** 12 & 24 VDC; 6-277 VAC, 50/60 Hz.

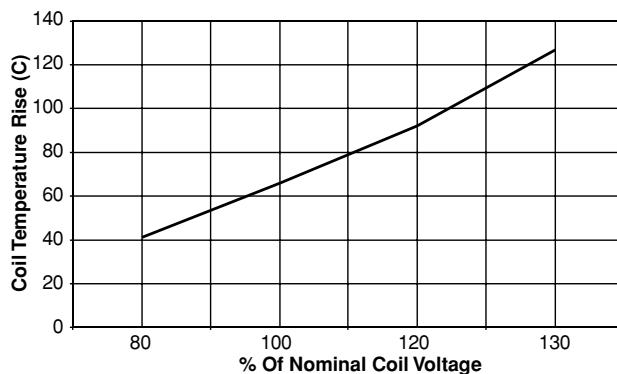
**Max. Sealed Power:** 4 VA (AC coils.); 3 W (DC coils).

**Nominal Inrush Power:** 5 VA (AC coils.); 3 W (DC coils).

**Insulation Class:** UL Class B (130°C).

**Duty Cycle:** Continuous.

#### Coil Temperature Rise Above Ambient



#### Operate Data @ 25°C

**Must Operate Voltage:** Approximately 85% of AC nominal coil voltage.  
Approximately 75% of DC nominal coil voltage.

#### Environmental Data

**Temperature Range:** Storage and Operating: -40°C – +65°C.

#### Mechanical Data

**Termination:** 0.250" (6.35 mm) quick connects, standard. Consult factory for availability of optional 0.187" (4.75 mm) quick connects.

**Weight:** 2.88 oz. (82 g) approximately

## Ordering Information

Typical Part No. ►

9400

-0

3

Q

1

999

## 1. Series:

9400 = 1-pole, 8-12 FLA relay

## 2. Mounting Bracket:

1 = Standard I Bracket with mounting holes on 2.625" (66.67mm) centers  
 4 = Standard T Bracket with mounting holes on 1.563" (39.70mm) centers  
 0 = Special I Bracket with mounting holes on 2.156" (54.76mm) centers

## 3. Pole Configuration:

1 = 1 Form X (SPST-NO-DM)      3 = 1 Form Z (SPDT-DM/DB)  
 2 = 1 Form Y (SPST-NC-DB)      4 = 1 Form Z (SPDT-DM/DB) jumpered to wire as 1 Form C.

## 4. Coil Voltage (50/60 Hz.):

B = 12VDC      Y = 6VAC      P = 100VAC      S = 200VAC      V = 277VAC  
 C = 24VDC      Q = 24VAC      T = 120VAC      U = 208/240VAC      QS = 24VAC, low VA

## 5. Contact Type:

1 = Silver alloy power contacts  
 2 = Fine silver pilot contacts

## 6. Customer ID Suffix:

999 = Standard Model      000-998 = Factory assigned customer ID

## Standard part numbers listed below are more likely to be available from stock.

9400-03Q1999

9400-03T1999

9400-03U1999

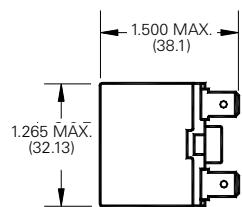
9400-04Q1999

9400-04T1999

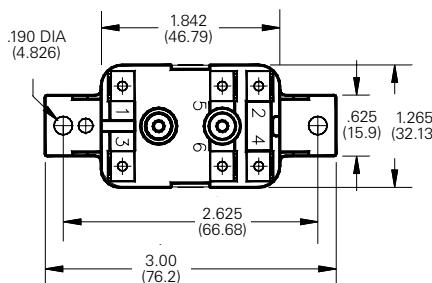
9400-04U1999

## Outline Dimensions

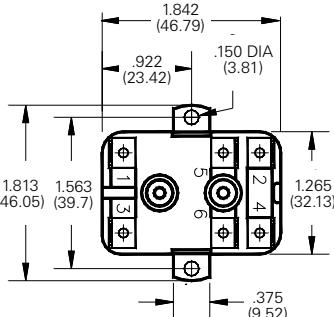
9400 Series



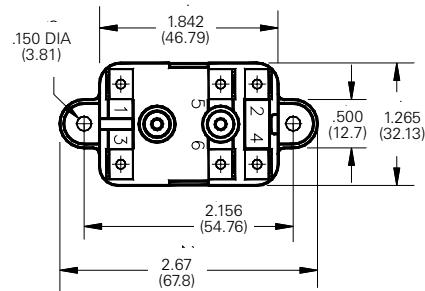
Standard I Bracket (Code 1)



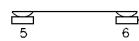
Standard T Bracket (Code 4)



Special I Bracket (Code 0)



## Contact Configurations



1 Form X

1 Form Y

1 Form Z

Jumpered 1 Form X

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[1-1672163-4](#)