

# GENERAL PURPOSE “ICE CUBE” PLUG-IN RELAYS WITH SPADE BASE

## D5PF Series



\*When used with accompanying D5PA2 screw terminal socket.

- Industrial Rated 300V, 15 A Relay in 2- and 3-Pole Configurations
- Compact Design Can Be DIN Rail Mounted
- Flag Indicator Shows Relay Status in Manual or Powered Condition
- LED Status Lamp Shows Coil “ON” or “OFF” Status—Ideal for Use in Low Light Applications
- Push-to-Test Button Allows for Manual Operation of Relay without the Need for Coil Power
- Lock-Down Door Holds Pushbutton and Contacts in the Operate Position when Activated
- Finger-Grip Cover Allows Operator to Remove Relays from Sockets Easily
- ID Tag/Write Label to Identify Relays in Multiple-Relay Circuits
- Bi-Polar LED Allows for Reverse Polarity Applications

The D5PF are plug-in type relays that feature a spade connection base. The D5PF series offer a number of enhanced features including LED status lamp, push-to-test button for manual relay operation, a convenient finger grip for removing relays and a write-on label that can be used for identifying the relay in multiple relay circuits.



D5PF2AA shown close to actual size.



D5PF3AA shown close to actual size.

### SPECIFICATIONS

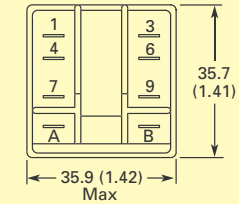
**[RESISTIVE LOAD (P.F. = 1.0)]**  
**Rated Load (p.f. = 0.8):** 240 Vac 12 A, 120 Vac 12 A, 28 Vdc 12 A  
**Carry Current:** 12 A  
**Max Operating Voltage:** 110% of nominal  
**Max Operating Current:** 15 A  
**Dielectric Strength:** 1500V  
**Approx Weight:** 88 g (3.1 oz)  
**Operating Temperature:** -30 to 50°C (-22 to 122°F)  
**Storage Temperature:** -30 to 100°C (-22 to 212°F)  
**Contact Resistance:** 50 milliohms max @ rated current  
**Contact Material:** AgCdO (Au flashed)  
**Pickup Voltage:** 85% AC, 80% DC

**Dropout Voltage (Min):** 30% AC, 10% DC  
**Voltage (Max):** 110%  
**Mechanical Life (Min):** 5 million (no load)  
**Electrical Life (Min):** 200,000 operations at rated resistive load  
**Max hp Ratings:**  
 1/8 hp: 120 Vac  
 1/2 hp: 240 Vac

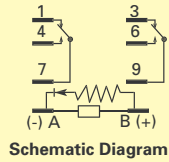
### D5PA2 SOCKET SPECIFICATIONS

**Type:** 11-pin screw  
**Electrical Ratings:** 15 A, 300V  
**Mounting Torque:** 8 to 10 in-lb  
**Hook-Up Wire Range:** 12 to 22 AWG solid or stranded  
**Compatible Hold Down Spring:** PQC-1351

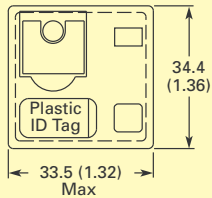
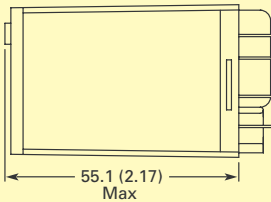
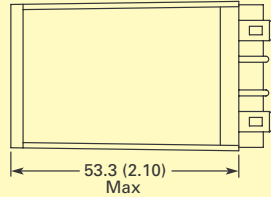
### D5PF2



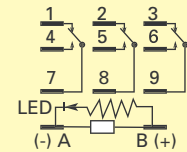
Terminal Arrangement (Bottom View)



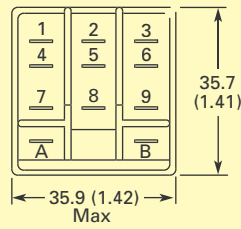
Schematic Diagram



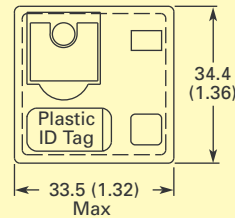
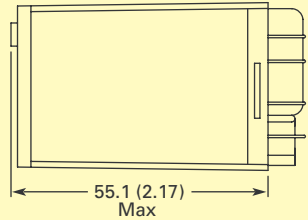
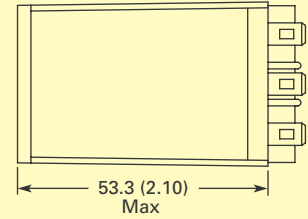
### D5PF3



Schematic Diagram

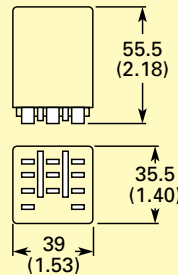
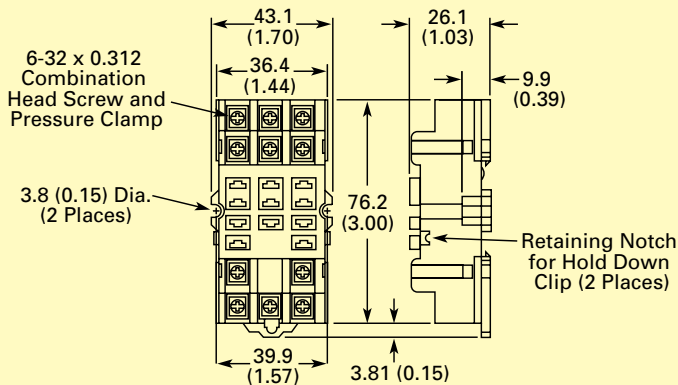


Terminal Arrangement (Bottom View)

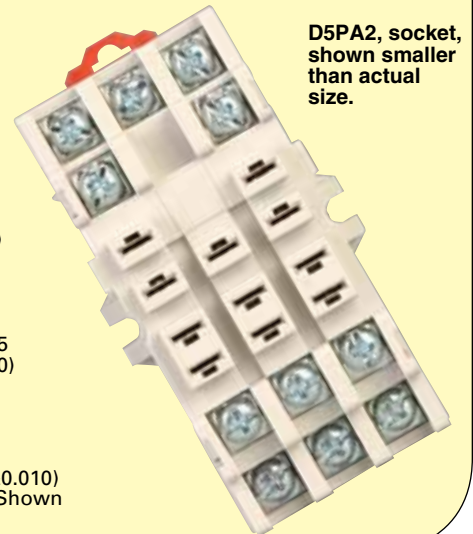


### D5PA2

Dimensions: mm (in)



Tolerances:  $\pm 0.25$  ( $\pm 0.010$ ) Unless Otherwise Shown



## To Order

MODEL NO.	DESCRIPTION
<b>D5PF2AA</b>	2PDT 8-pin relay, 120 Vac coil voltage, requires D5PA2 relay socket
<b>D5PF2AT</b>	2PDT 8-pin relay, 24 Vac coil voltage, requires D5PA2 relay socket
<b>D5PF2AT1</b>	2PDT 8-pin relay, 24 Vdc coil voltage, requires D5PA2 relay socket
<b>D5PF3AA</b>	3PDT 11-pin relay, 120 Vac coil voltage, requires D5PA2 relay socket
<b>D5PF3AT</b>	3PDT 11-pin relay, 24 Vac coil voltage, requires D5PA2 relay socket
<b>D5PF3AT1</b>	3PDT 11-pin relay, 24 Vdc coil voltage, requires D5PA2 relay socket

Ordering Examples: **D5PF2AA** relay, **D5PA2**, relay socket, **PQC-1351**, hold down spring.

Three **D5PF3AA**, 3 PDT 11-pin relays for 120 Vac, three **D5PF2-BC**, DIN rail sockets with hold down spring.

## ACCESSORIES

MODEL NO.	DESCRIPTION
<b>D5PA2</b>	DIN rail mount relay socket, requires PQC-1351 hold down spring
<b>PQC-1351</b>	Hold down spring
<b>D5PF2-BC</b>	DIN rail mount socket and hold down spring for D5PF relays