

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

D3PF Series



- Compact Relay Capable of Breaking Relatively Large Load Currents
- DIN Rail Mounting
- 8- or 11-Pin Octal Plug-In
- 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 D3PF are plug-in type relays that feature an octal connection base. The D3PF 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.



All models shown smaller than actual size

SPECIFICATIONS

(RESISTIVE LOAD, P.F. = 1.0)

Rated Load: 240 Vac 12 A, 120 Vac

12 A, 28 Vdc 12 A

Carry Current: 12 A

Max Operating Voltage:

110% of nominal

Contact Resistance: 50 milliohm max

@ 10 A 120 Vac or 24 Vdc

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 Material: AgCdO

(Au flashed)

Max Switching Capacity: 12 A

Min Permissible Load: 100 mA

Pickup Voltage (Max): 85% AC, 80% DC

Drop Out Voltage (Min): 30% AC, 10% DC

Voltage (Max): 110%

Mechanical Life (Min): 5 million (no load)

Electrical Life @ All Contact Ratings

(Min): 200,000 operations at rated resistive load

Maximum hp Ratings:

½ hp: 120 Vac

½ hp: 240 Vac

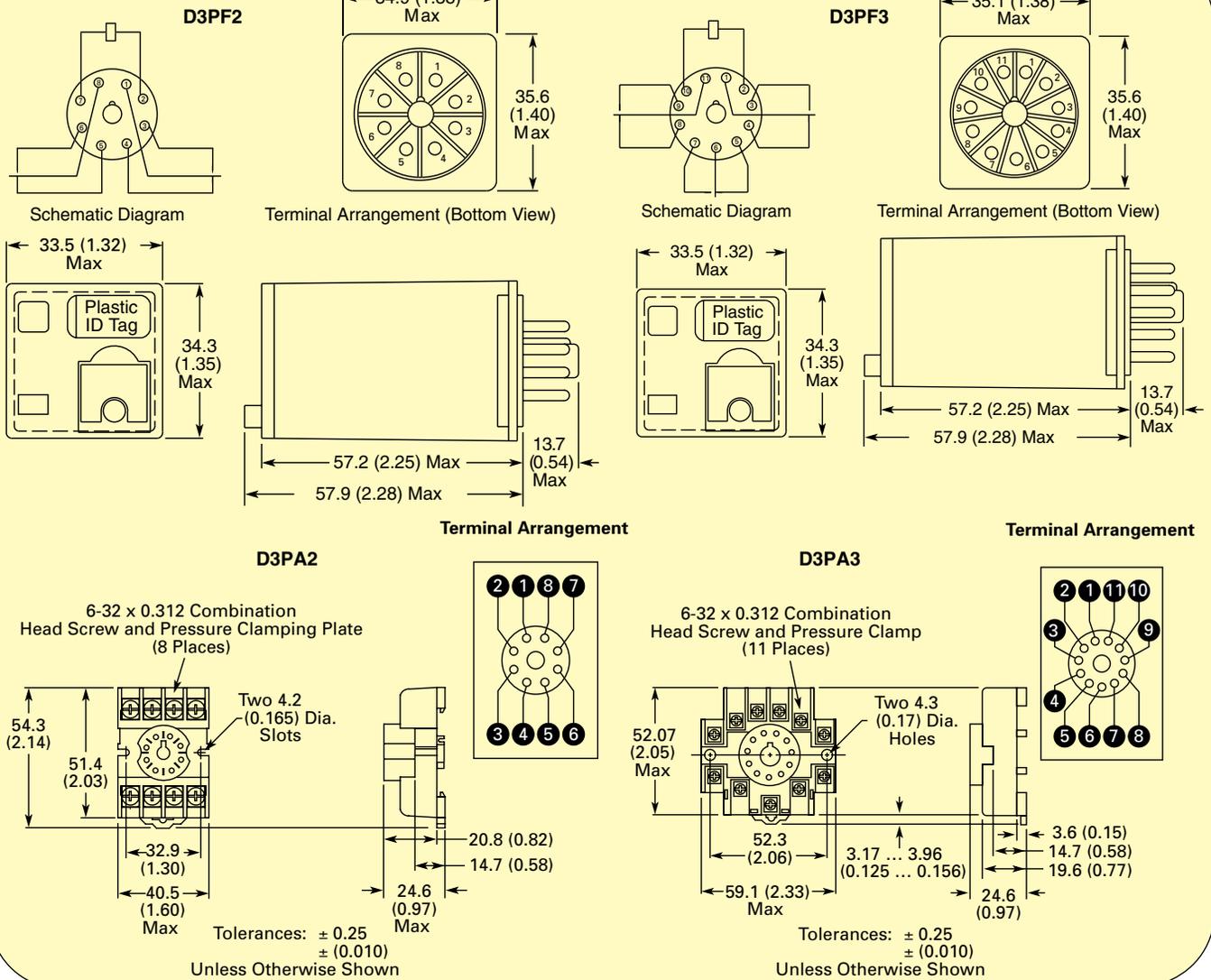
COIL RESISTANCE

COIL VOLTAGE	Ω	mA	
		50 Hz	60 Hz
24 Vac	72	398.0	340
120 Vac	1700	76.0	65
24 Vdc	470	49.9	—

RELAY SOCKETS

RELAY	SOCKET	HOLD DOWN SPRING/CLIP	SOCKET SPECIFICATIONS			
			ELECTRICAL RATING	MOUNTING TORQUE	HOOK-UP WIRE RANGE	MOUNTING
D3PF2	D3PA2	PQC-1344	10 A, 600V 15 A, 300V	8 to 10 in-lb	12 to 22 AWG solid or stranded	DIN rail
D3PF3	D3PA3	PQC-1351	5 A, 600V 15 A, 300V	8 to 10 in-lb	12 to 22 AWG solid or stranded	DIN rail

Dimensions: mm (in)



To Order

MODEL NO.	DESCRIPTION
D3PF2AA	DPDT relay, 8 pin octal, 120 Vac coil voltage, requires D3PA2 socket
D3PF2AT	DPDT relay, 8 pin octal, 24 Vac coil voltage, requires D3PA2 socket
D3PF2AT1	DPDT relay, 8 pin octal, 24 Vdc coil voltage, requires D3PA2 socket
D3PF3AA	3PDT relay, 11 pin octal, 120 Vac coil voltage, requires D3PA3 socket
D3PF3AT	3PDT relay, 11 pin octal, 24 Vac coil voltage, requires D3PA3 socket
D3PF3AT1	3PDT relay, 11 pin octal, 24 Vdc coil voltage, requires D3PA3 socket

Ordering Examples: **D3PF2AA** relay, **D3PA2**, socket, and **PQC-1344** spring/clip.

Two **D3PF2AA**, DPDT 8-pin octal relay for 120 Vac, two **D3PF2-BC** sockets with hold down spring/clip.

ACCESSORIES

MODEL NO.	DESCRIPTION
D3PA2	8 pin DIN rail mount octal socket, for D3PF2 relays, requires PQC-1344 hold down clip/spring
D3PA3	11 pin DIN rail mount octal socket, for DPF3 relays, requires PQC-1332 hold down clip/spring
PQC-1344	Hold down clip/spring for D3PA2
PQC-1351	Hold down clip/spring for D3PA3
D3PF2-BC	8 pin DIN rail mount octal socket and hold down clip/spring for D3PF2 relays
D3PF3-BC	11 pin DIN rail mount octal socket and hold down clip/spring for D3PF3 relays