

## General Purpose Plug-In Relay



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## Product Selection Guide

## General Purpose Relay Selection Characteristics

- Current rating: 1A–30A
- Contact arrangement: SPDT, DPDT, 3PDT, 4PDT, etc.
- Coil voltage: 6V–240 Vac/6V–110 Vdc
- Mounting options: socket, flange, DIN rail, panel
- Specifications: CSA, CE, IEC, NEMA, UL, etc.
- Other: Physical dimensions, maximum voltage, mechanical/ electrical life, etc.

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## Control Relays and Timers

### General Purpose Plug-In Relays

3

#### General Purpose Plug-In Relays

Relay Series

D1PR/D1PF



D2PR/D2PF



D3PR/D3PF



#### Approvals



#### Features

Polycarbonate cover

Indicator lamp and pushbutton available

Panel and DIN mounting

Polycarbonate cover

Indicator lamp and pushbutton available

Panel, DIN and flange mounting

Latching

Polycarbonate cover

Indicator lamp and pushbutton available

Panel and DIN mounting

8- or 11-pin octal plug-in

Latching (D3PR version)

#### Contact Data

Configuration	SPDT	DPDT	DPDT Latching	4PDT	DPDT	3PDT
Max. allowable load	20A	10A	3A	10A	16A	16A
Material	Silver alloy	Silver alloy			Silver alloy	
Dielectric strength between poles	1500V	1500V			1500V	

#### Coil Data

AC	6 to 240 Vac	6 to 240 Vac			6 to 240 Vac	
DC	6 to 110 Vdc	6 to 110 Vdc			6 to 110 Vdc	
Power						
VA (Vac)	0.9 VA	1.2 VA			3 VA 1.4W (D3PR and D3PF)	
Watts (Vdc)	0.7W	0.9W			2 VA 1.64W (D3PR5 latching)	

#### General Data

Ambient temperature						
Storage	-40° to 185°F (-40° to 85°C)	-40° to 185°F (-40° to 85°C)			-40° to 185°F (-40° to 85°C)	
Operational	-40° to 131°F (-40° to 55°C)	-40° to 131°F (-40° to 55°C)			-40° to 131°F (-40° to 55°C)	
Response time	20 milliseconds	20 milliseconds			20 milliseconds	
Life						
Mechanical operations	10 million	10 million			5 million (D3PR and D3PF) 10 million (D3PR5 latching)	
Electrical operations	100,000	200,000			100,000	

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## General Purpose Plug-In Relays, continued

## Relay Series

D4



D5PR/D5PF



D7PR/D7PF



## Approvals



## Features

Polycarbonate cover	Polycarbonate cover	Polycarbonate cover
Indicator lamp available	Indicator lamp and pushbutton available	Indicator lamp and pushbutton available
Panel and DIN mounting	Panel, DIN and flange mounting	Panel and DIN mounting
Socket has built-in hold-down spring		

## Contact Data

Configuration	SPDT	DPDT	DPDT	3PDT	SPDT	DPDT	3PDT	4PDT
Max. allowable load	10A at 250 Vac	5A at 240 Vac	16A	16A	20A	15A	15A	15A
Material	AgCdO		Silver alloy		Silver alloy			
Dielectric strength	5000V		1500V		1500V	1500V	2500V	2500V

## Coil Data

AC	6 to 240 Vac		6 to 240 Vac		6 to 240 Vac			
DC	6 to 110 Vdc		6 to 110 Vdc		6 to 110 Vdc			
Power								
VA (Vac)	0.9 VA		3 VA		1.2 VA	1.2 VA	1.5 VA	1.5 VA
Watts (Vdc)	0.5W		1.4W		0.9W	0.9W	1.4W	1.5W

## General Data

Ambient temperature								
Storage	−40° to 158°F (−40° to 70°C)		−40° to 185°F (−40° to 85°C)		−40° to 185°F (−40° to 85°C)			
Operational	−40° to 158°F (−40° to 70°C)		−40° to 131°F (−40° to 55°C)		−40° to 131°F (−40° to 55°C)			
Response time	15 milliseconds		20 milliseconds		20 milliseconds (30 milliseconds for latching)			
Life								
Mechanical operations	10 million		5 million		10 million			
Electrical operations	100,000		100,000		100,000	100,000	200,000	200,000
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## Control Relays and Timers

### General Purpose Plug-In Relays

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#### General Purpose Plug-In Relays, continued

Relay Series

D8

D9



#### Approvals



#### Features

Dust cover	Dust cover
Panel, DIN and flange mounting	Pushbutton available
Quick-connect and screw terminals	Panel mounting
	Screw terminals

#### Contact Data

Configuration	4PST			
	SPST-NO	DPST-NO	NO	NC
Max. allowable load	30A at 220 Vac	25A at 220 Vac	25A at 220 Vac	8A at 220 Vac
Material	AgCdO		AgCdO	
Dielectric strength	4000V		4000V	

#### Coil Data

AC	6 to 240 Vac	24 to 240 Vac
DC	12 to 24 Vdc	12 to 110 Vdc
Power		
VA (Vac)	2.5 VA	2.6 VA
Watts (Vdc)	1.9W	2.0W

#### General Data

Ambient temperature		
Storage	-4° to 185°F (-20° to 85°C)	-13° to 140°F (-25° to 60°C)
Operational	-4° to 131°F (-20° to 55°C)	-13° to 140°F (-25° to 60°C)
Response time	30 milliseconds	50 milliseconds
Life		
Mechanical operations	5 million	1 million
Electrical operations	100,000	100,000
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