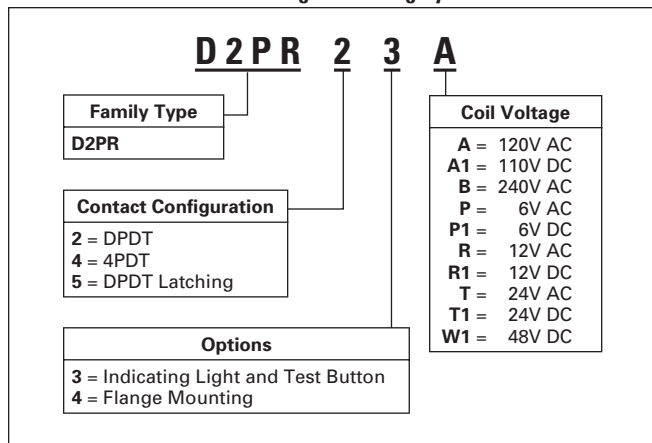


Catalog Number Structure

Table 49-51. D2PR Series Catalog Numbering System ^①

^① For deciphering Catalog Numbers. Do not use for ordering as not all combinations are readily available.

Table 49-52. D2PR Relay/Socket Quick Reference

Relay Type	Socket	Hold Down Spring/Clip
D2PR2	D2PA6	PMC-A1
D2PR4	D2PA6	PMC-A1
D2PR5	D2PA4	PYC-A1

Product Selection

Table 49-53. D2PR Product Selection ^②

	Std. Pack	Catalog Number	Price U.S. \$
Standard DPDT			
Coil Voltage:			
24V AC		D2PR2T	
110V AC		D2PR2A	
240V AC		D2PR2B	
12V DC		D2PR2R1	
24V DC		D2PR2T1	
DPDT with Indicating Light and Test Button			
24V AC		D2PR23T	
110V AC		D2PR23A	
24V DC		D2PR23T1	
DPDT Flange Mount			
110V AC		D2PR24A	
Standard 4PDT			
Coil Voltage:			
24V AC		D2PR4T	
110V AC		D2PR4A	
12V DC		D2PR4R1	
24V DC		D2PR4T1	
110V DC		D2PR4A1	
4PDT with Indicating Light and Test Button			
24V AC		D2PR43T	
110V AC		D2PR43A	
12V DC		D2PR43R1	
24V DC		D2PR43T1	
110V DC		D2PR43A1	
4PDT Flange Mount			
110V AC		D2PR44A	
DPDT Latching			
110V AC		D2PR5A	
24V DC		D2PR5T1	
DIN Rail or Panel Mount Socket and Accessories			
4-Pole Socket	10	D2PA6	
Spring Clip	100	PMC-A1	
DIN Rail End Stop	100	PFP-M	
DIN Rail or Panel Mount Socket and Accessories for D2PR5 Latching Relays			
4-Pole Socket	10	D2PA4	
Hold-Down Spring	100	PYC-A1	
DIN Rail End Stop ^③	100	PFP-M	

^② Additional coil voltages available — consult Sales Office or Customer Support Center.

^③ Additional end stop options available on **Page 55-74**.

D2PR Series



D2PR Series Relay

Features

- Ultra-high sensitivity relay with quick response
- Designed small, 2-pole type break 5A load and 4-pole type, 3A load
- High reliability, long life
- Panel, DIN rail and flange mounting
- Small size

Standards and Certifications



File # E37317, E65657



File # LR217017, LR217069



Technical Data and Specifications

Table 49-48. D2PR Coil Resistance

Coil Voltage	Ohms	mA	
		50 Hz	60 Hz
6V AC	11	234	200
12V AC	41	86.5	74
24V AC	180	48	41
48V AC	788	21	18
120V AC	4430	12.9	11
240V AC	15700	7	6
6V DC	40	150	
12V DC	160	75	
24V DC	650	36.9	
48V DC	2600	18.5	
110V DC	11000	10	

Table 49-49. D2PR Socket Specifications

Catalog Number	Electrical Ratings	Mounting Torque	Hook-Up Wire Range
D2PA4	7A, 250V	.785 Nm – 1.18 Nm	AWG 14 Max.
D2PA6	10A, 300V	7 – 8 in-lbs	AWG 14 to 28 Solid or Stranded

Table 49-50. D2PR Relay Specifications

	Resistive Load (p.f. = 1)	Inductive Load (p.f. = 0.4, L/R = 7 ms)
D2PR2		
Rated Load	240V AC 5A 30V DC 5A	240V AC 2A 30V DC 2A
Carry Current	5A	5A
Max. Operating Voltage	250V AC/125V DC	250V AC/125V DC
Max. Operating Current	5A	5A
Contact Material	Silver Cadmium Oxide	Silver Cadmium Oxide
Max. Switching Capacity	1100 VA 120W	440 VA 48W
Min. Permissible Load	100 mA, 5V DC	100 mA, 5V DC
Pickup Voltage (max.)	80% AC, 75% DC	80% AC, 75% DC
Drop Out Voltage (min.)	30% AC, 10% DC	30% AC, 10% DC
Voltage (max.)	110%	110%
Mechanical Life (min.)	10,000,000 operations	10,000,000 operations
Electrical Life @ All Contact Ratings (min.)	200,000 operations	200,000 operations
Maximum hp Ratings	1/6 hp (120V AC)	1/6 hp (120/240V AC)
D2PR4		
Rated Load	240V AC 3A 30V DC 3A	240V AC 0.8A 30V DC 1.5A
Carry Current	3A	3A
Max. Operating Voltage	250V AC/125V DC	250V AC/125V DC
Max. Operating Current	3A	3A
Contact Material	Ag (Au Flashed)	Ag (Au Flashed)
Max. Switching Capacity	660 VA 72W	176 VA 36W
Min. Permissible Load	1 mA, 1V DC	1 mA, 1V DC
Pickup Voltage (max.)	80%	80%
Drop Out Voltage (min.)	30% AC, 10% DC	30% AC, 10% DC
Voltage (max.)	110%	110%
Mechanical Life (min.)	10,000,000 operations	10,000,000 operations
Electrical Life @ All Contact Ratings (min.)	200,000 operations	200,000 operations
Maximum hp Ratings	1/10 hp (120/240V AC)	1/10 hp (120/240V AC)
D2PR5		
Rated Load	250V AC 5A 30V DC 5A	250V AC 2A 30V DC 2A
Carry Current	3A	3A
Max. Operating Voltage	250V AC/125V DC	250V AC/125V DC
Max. Operating Current	3A	3A
Contact Material	Ag (Au flashed)	Ag (Au flashed)
Max. Switching Capacity	660 VA 72W	176 VA 36W
Min. Permissible Load	100 mA, 1V DC	100 mA, 1V DC
Pickup Voltage (max.)	80%	80%
Drop Out Voltage (min.)	30% AC, 10% DC	30% AC, 10% DC
Set/Reset Voltage (max.)	80%	80%
Voltage (max.)	110%	110%
Mechanical Life (min.)	100 million operations	100 million operations
Electrical Life @ All Contact Ratings (min.)	200,000 operations	200,000 operations
Maximum hp Ratings	1/8 hp (265V AC)	1/8 hp (265V AC)

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