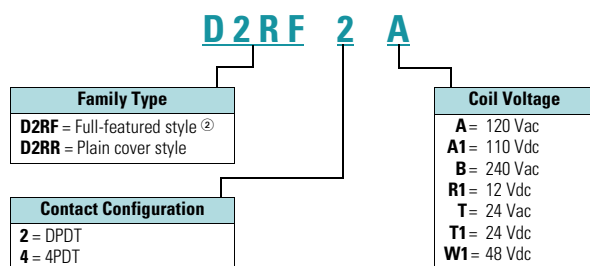


Catalog Number Selection

D2RF/D2RR ^①

3



Product Selection

D2RF/D2RR Relay/Socket Quick Reference

Relay Type	Socket	Clip	Module Type	ID Tag	Jumper
D2RR2, D2RF2	D2PAL	PWC-D24	B	PWF-D2P	D2PJ1
		PQC-1782	—	—	—
	D2PA6	PQC-1342	None	—	—
D2RR4, D2RF4	D2PAP	PWC-D24	B	PWF-D2P	D2PJ1
		PQC-1782	—	—	—
	D2PA7	PWC-D24	B	—	—
		PQC-1782	B	—	—
	D2PA6	PQC-1342	None	—	—

Notes

- ^① For deciphering catalog numbers. Do not use for ordering as not all combinations are readily available.
- ^② Full-featured, LED test button, flag indicator, lock-down door, finger-grip cover, ID tag.

D2RF Series Relay**D2RF/D2RR Series**

Coil Voltage	Contact Configuration	Coil Resistance (Ohms)	Catalog Number
Full Featured Style			
12 Vdc	DPDT	160	D2RF2R1
24 Vac	DPDT	180	D2RF2T
24 Vdc	DPDT	650	D2RF2T1
48 Vdc	DPDT	2600	D2RF2W1
110/125 Vdc	DPDT	11,000	D2RF2A1
120 Vac	DPDT	4430	D2RF2A
220/240 Vac	DPDT	15,720	D2RF2B
12 Vdc	4PDT	160	D2RF4R1
24 Vac	4PDT	180	D2RF4T
24 Vdc	4PDT	650	D2RF4T1
48 Vdc	4PDT	2600	D2RF4W1
110/125 Vdc	4PDT	11,000	D2RF4A1
120 Vac	4PDT	4430	D2RF4A
220/240 Vac	4PDT	15,720	D2RF4B
Plain Cover Style			
12 Vdc	DPDT	160	D2RR2R1
24 Vac	DPDT	180	D2RR2T
24 Vdc	DPDT	650	D2RR2T1
120 Vac	DPDT	4430	D2RR2A
220/240 Vac	DPDT	15,720	D2RR2B
12 Vdc	4PDT	160	D2RR4R1
24 Vac	4PDT	180	D2RR4T
24 Vdc	4PDT	650	D2RR4T1
110/125 Vdc	4PDT	11,000	D2RR4A1
120 Vac	4PDT	4430	D2RR4A
220/240 Vac	4PDT	15,720	D2RR4B

Technical Data and Specifications

D2RF/D2RR Relay Specifications

Description	D2RR2/D2RR4	D2RF
Contact Characteristics		
Contact rating	12 A / 6 A	6 A
Terminal style	Plug-in	Plug-in
Contact materials	Silver alloy	Silver alloy
Maximum switching voltage	300 V	300 V
Switching current at voltage—resistive	10 A at 120 Vac 50/60 Hz	10 A at 277 Vac 50/60 Hz
	8 A at 277 Vac 50/60 Hz	8 A at 120 Vac 50/60 Hz
	8 A at 28 Vdc	8 A at 28 Vdc
Switching current at voltage	1/3 hp at 120 Vac 1 hp at 277 Vac	1/3 hp at 120 Vac 1 hp at 277 Vac
Pilot duty	B300	B300
Minimum switching requirement	100 mA at 5 Vdc (0.5 W)	100 mA at 5 Vdc (0.5 W)
Coil Characteristics		
Operating range		
% of nominal (AC)	85 to 110%	85 to 110%
% of nominal (DC)	80 to 110%	80 to 110%
Average consumption	1.2 VA	1.2 VA
	0.9 W	0.9 W
Dropout voltage threshold	15% (AC)	15% (AC)
	10% (DC)	10% (DC)
Performance		
Electrical life (UL 508) operations at rated current	200,000	200,000
Mechanical life operations unpowered	10,000,000	10,000,000
Response time	20 ms	20 ms
Dielectric strength		
Between coil and contact Vac (rms)	1500 rms	1500 rms
Between poles Vac (rms)	1500 rms	1500 rms
Environment		
Ambient air temperature around the device		
Operation	–40 °F to +131 °F (–40 °C to +55 °C)	–40 °F to +131 °F (–40 °C to +55 °C)
Storage	–40 °F to +185 °F (–40 °C to +85 °C)	–40 °F to +185 °F (–40 °C to +85 °C)
Vibration resistance—operational	3 g-n at 10–55 Hz	3 g-n at 10–55 Hz
Shock resistance	10 g-n	10 g-n
Degree of protection	IP40	IP40
Features		
Cover options	Plain cover	Full featured
Features	Mechanical flag indicator	Locking pushbutton/ Bipolar LED/ Removable ID tag/ Mechanical flag indicator
Product certifications	RoHS/UL/CE/CSA	RoHS/UL/CE/CSA

3.4

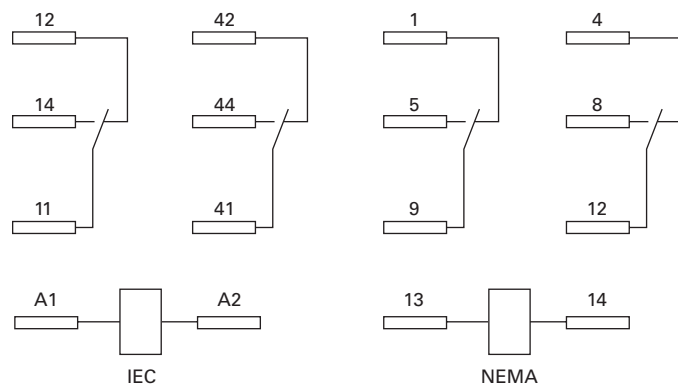
Control Relays and Timers

General Purpose Plug-In Relays

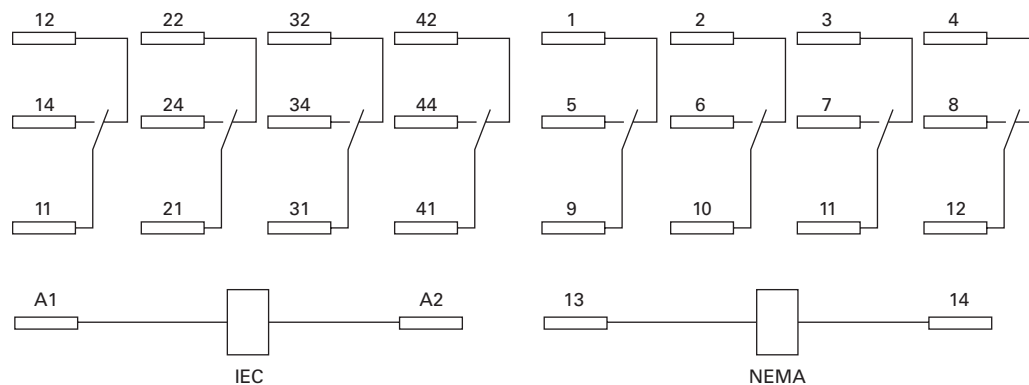
Wiring Diagrams

D2RF2/D2RR2

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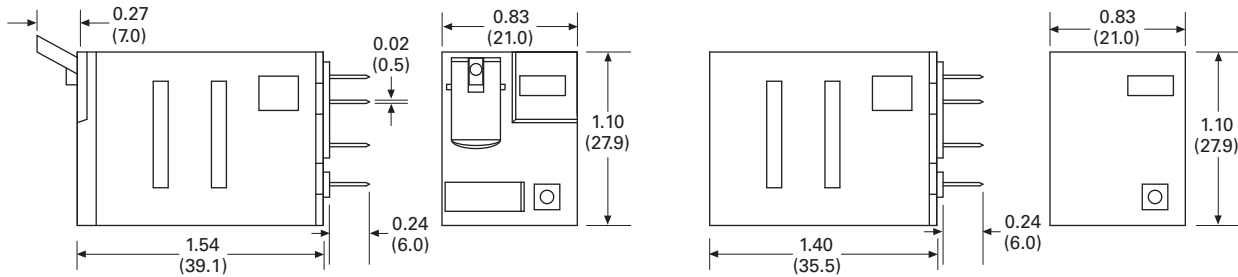
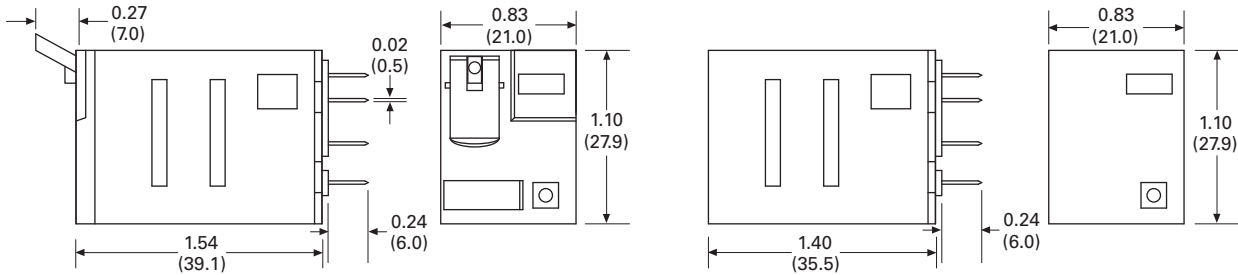
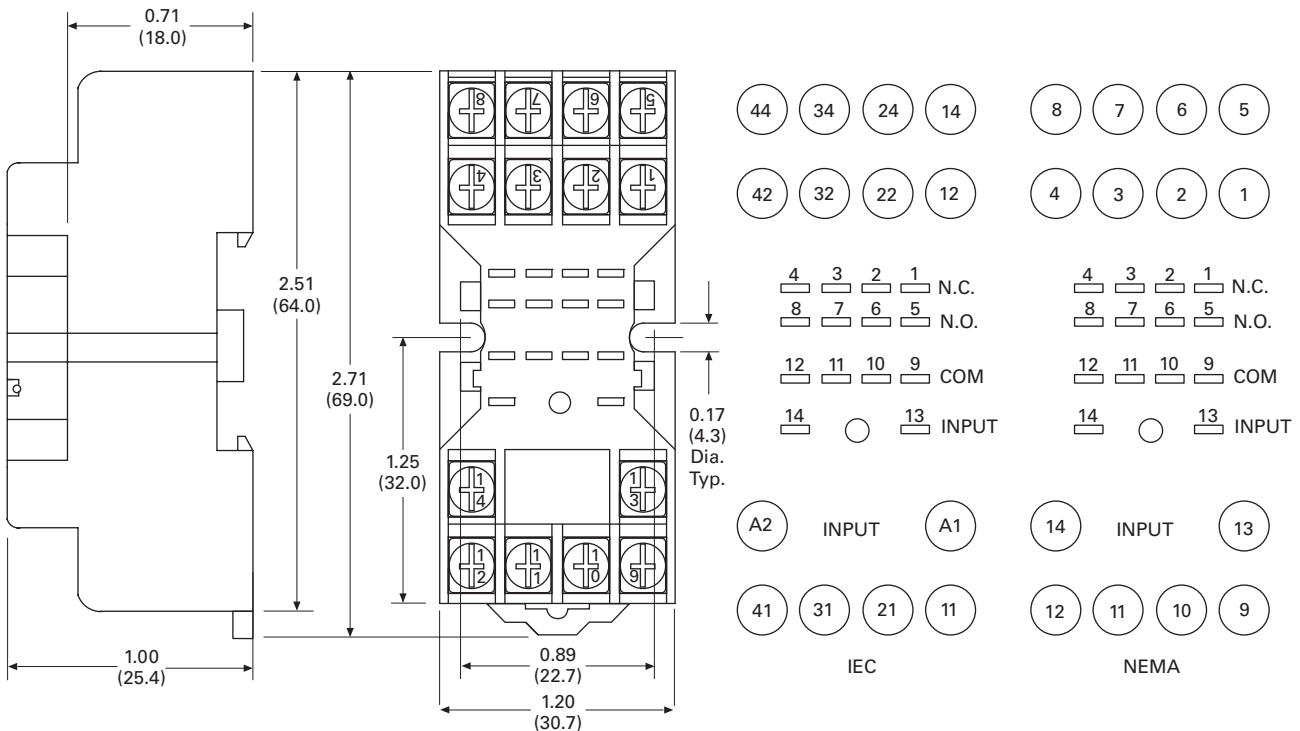


D2RF4/D2RR4



Dimensions

Approximate Dimensions in Inches (mm)

D2RF2/D2RR2**D2RF4/D2RR4****D2PA6**

Relay Clips

Eaton offers a variety of relay clips designed to improve the performance and functionality within an electrical panel.

Metal Hold-Down Clips

Metal hold-down clips, or spring clips, are ideal for use where high heat or humid conditions are a factor. These clips hold their shape and tension and are designed to withstand harsh environments. All clips are made of corrosion-resistant stainless steel.

	Metal Hold-Down Clips		
	Catalog Number	Mating Sockets	Mating Relays
PMC-1781 	PMC-1781	D1RAA	D1RR, D1RF
PQC-1782 	PQC-1782	D2PAL, D2PAP, D2PA7	D2RR2, D2RF2, D2RR3, D2RF4
PQC-1342 	PQC-1342	D2PA6, D7PAA, D7PA9	D2RR4, D2RF4
PQC-1332 	PQC-1332	D3PA6, D3PA7	D3RR2, D3RF2, D3RR3, D3RF3
PQC-1351 	PQC-1351	D3PAL8, D3PA2, D3PAL11, D3PA3, D5PAL, D5PA2, D5PA3L, D5PA3S	D3RR2, D3RF2, D3RR3, D3RF4, D5RR, D5RF
PQC-1783 	PQC-1783	D7PAB	D7PR1, D7PF1, D7PR2, D7PF3
PQC-1784 	PQC-1784	D7PAD	D7PR4, D7PF4
PYC- _ 	PYC-B2	D7PA3, D7PA4	D7PR1, D7PR2, D7PR4