

Panasonic Power Relays

Panasonic Electric Works



Fig.	Contact Arrange.	Coil Voltage	Coil Resist. (Ω)	Coil Curr. (mA)	Contact Ratings (A) 30 VDC 125 VAC	Additional Features	Digi-Key Part No.	1	25	50	100	Panasonic Part No.	
DF Series General Purpose Relays													
1A	DPDT	24DC	2,880	8.3	1 0.3	Sealed	255-1039-ND	4.85	4.46	3.96	3.37	DF2E-DC24V	
DF Series Dual Coil Latching Relays													
1B	DPDT	9DC	405	22.2	1 0.3	Sealed	255-1043-ND	5.86	5.38	4.78	4.07	DF2E-L2-DC9V	
DK Series General Purpose Relays													
2A	SPST-NO	3DC	45	66.6	10 10	AgSnO Sealed	255-2057-ND	7.37	6.78	6.02	5.12	DK1A-3V-F	
		5DC	125	40	10 10		255-2058-ND	7.37	6.78	6.02	5.12	DK1A-5V-F	
		12DC	720	16.6	10 10		255-2059-ND	7.37	6.78	6.02	5.12	DK1A-12V-F	
		24DC	2,880	8.3	10 10		255-2060-ND	7.37	6.78	6.02	5.12	DK1A-24V-F	
2B	2x SPST	5DC	125	40	8 8	AgCd	255-1098-ND	10.83	9.95	8.84	7.52	DK1A1B-5V	
		6DC	180	33.3	8 8		255-2188-ND	10.83	9.95	8.84	7.52	DK1A1B-6V	
		12DC	720	16.6	8 8		255-1099-ND	10.83	9.95	8.84	7.52	DK1A1B-12V	
		24DC	2,880	8.3	8 8		255-1100-ND	10.83	9.95	8.84	7.52	DK1A1B-24V	
2B	DPST	5DC	125	40	8 8	AgCd	255-1601-ND	10.78	9.90	8.80	7.48	DK2A-5V	
		6DC	180	33.3	8 8		255-2379-ND NEW!	10.83	9.95	8.84	7.52	DK2A-6V	
		12DC	720	16.6	8 8		255-1599-ND	10.83	9.95	8.84	7.52	DK2A-12V	
		24DC	2,880	8.3	8 8		255-1600-ND	10.83	9.95	8.84	7.52	DK2A-24V	
DK Series Latching General Purpose Relays													
2C	SPST-NO	3DC	45	66.6	10 10	AgSnO Sealed	255-2374-ND NEW!	7.37	6.78	6.02	5.12	DK1A-L-3V-F	
		5DC	125	40	10 10		255-2375-ND NEW!	7.37	6.78	6.02	5.12	DK1A-L-5V-F	
		12DC	720	16.6	10 10		255-2376-ND NEW!	7.37	6.78	6.02	5.12	DK1A-L-12V-F	
		3DC	45	66.6	10 10		255-2053-ND	13.43	12.33	10.96	9.32	DK1A-L-3V-F	
		5DC	125	40	10 10		255-2054-ND	9.43	8.67	7.70	6.55	DK1A-L-5V-F	
		6DC	180	33.3	10 10		255-2377-ND NEW!	9.43	8.67	7.70	6.55	DK1A-L-6V-F	
		9DC	405	22.2	10 10		255-2378-ND NEW!	9.43	8.67	7.70	6.55	DK1A-L-9V-F	
		12DC	720	16.6	10 10		255-2055-ND	9.43	8.67	7.70	6.55	DK1A-L-12V-F	
		24DC	2,880	8.3	10 10		255-2056-ND	9.43	8.67	7.70	6.55	DK1A-L-24V-F	
		2D	2x SPST	5DC	125		40	8 8	Dual Coil Latching	255-2191-ND	12.96	11.91	10.58
6DC	180			33.3	8 8	255-2189-ND	12.96	11.91		10.58	9.00	DK1A1B-L2-12V	
24DC	2,880			8.3	8 8	255-2190-ND	14.75	13.55		12.04	10.24	DK1A1B-L2-24V	
2D	DPST	12DC	720	16.6	8 8	AgCd Sealed	255-1602-ND	12.35	11.34	10.08	8.57	DK2A-L2-12V	
		24DC	2,880	8.3	8 8		255-1603-ND	12.35	11.34	10.08	8.57	DK2A-L2-24V	
PCB Mount Relay Socket for DK1A Relays							255-1101-ND	4.02	3.69	3.28	2.79	DK1A-PS	
PCB Mount Relay Socket for DK1A1B and DK2A Relays							255-1102-ND	3.99	3.67	3.26	2.78	DK2A-PS	
DSP Series General Purpose Relays													
3A	2x SPST	5DC	83	60	5 5	Sealed	255-1046-ND	6.98	6.42	5.70	4.85	DSP1-DC5V	
		6DC	120	50	5 5		255-1622-ND	6.98	6.42	5.70	4.85	DSP1-DC6V	
		9DC	270	33.3	5 5		255-1623-ND	6.98	6.42	5.70	4.85	DSP1-DC9V	
		12DC	480	25	5 5		255-1047-ND	6.98	6.42	5.70	4.85	DSP1-DC12V	
		24DC	1,920	12.5	5 5		255-1048-ND	6.98	6.42	5.70	4.85	DSP1-DC24V	
		48DC	7,680	6.2	5 5		255-1621-ND	8.77	8.06	7.16	6.09	DSP1-DC48V	
3B	SPST-NO	5DC	83	60	8 8	Sealed	255-1049-ND	6.20	5.70	5.06	4.31	DSP1A-DC5V	
		12DC	480	25	8 8		255-1050-ND	6.20	5.70	5.06	4.31	DSP1A-DC12V	
		24DC	1,920	12.5	8 8		255-1051-ND	6.20	5.70	5.06	4.31	DSP1A-DC24V	
3C	DPST-NO	5DC	83	60	5 5	Sealed	255-1052-ND	6.86	6.30	5.60	4.76	DSP2A-DC5V	
		12DC	480	25	5 5		255-1053-ND	6.86	6.30	5.60	4.76	DSP2A-DC12V	
		24DC	1,920	12.5	5 5		255-1054-ND	6.86	6.30	5.60	4.76	DSP2A-DC24V	
DSP Series Dual Coil Latching General Purpose Relays													
3D	DPST	5DC	83	60	5 5	Sealed	255-1055-ND	7.37	6.78	6.02	5.12	DSP1-L2-DC5V	
		12DC	480	25	5 5		255-1056-ND	7.37	6.78	6.02	5.12	DSP1-L2-DC12V	
		24DC	1,920	12.5	5 5		255-1057-ND	7.37	6.78	6.02	5.12	DSP1-L2-DC24V	
3E	SPST	5DC	83	60	5 8	Sealed	255-1620-ND	6.98	6.42	5.70	4.85	DSP1A-L2-DC5V	
		12DC	480	25.5	5 8		255-1618-ND	6.98	6.42	5.70	4.85	DSP1A-L2-DC12V	
		24DC	1,920	12.5	5 8		255-1619-ND	6.98	6.42	5.70	4.85	DSP1A-L2-DC24V	
3F	DPST	5DC	83	60	5 5	Sealed	255-1626-ND	7.67	7.05	6.26	5.33	DSP2A-L2-DC5V	
		12DC	480	25.5	5 5		255-1624-ND	7.67	7.05	6.26	5.33	DSP2A-L2-DC12V	
		24DC	1,920	12.5	5 5		255-1625-ND	7.67	7.05	6.26	5.33	DSP2A-L2-DC24V	
PCB Mount Relay Socket for DSP1A Relays							255-1058-ND	2.57	2.37	2.10	1.79	DSP1A-PS	
PCB Mount Relay Socket for DSP1A-L2 Relays							255-1059-ND	3.01	2.77	2.46	2.10	DSP1A-PSL2	
PCB Mount Relay Socket for DSP2A and DSP1 Relays							255-1060-ND	3.53	3.24	2.88	2.45	DSP2A-PS	
PCB Mount Relay Socket for DSP2A-L2 and DSP1-L2 Relays							255-1061-ND	3.77	3.47	3.08	2.62	DSP2A-PSL2	
ADQ Series Power Dual Coil Latching Relays													
4	SPST	4.5DC	12.7	355.6	— 30	—	255-1442-ND	18.79	17.26	15.34	13.04	ADQ23Q04H	
		12DC	90	133.3	— 30		255-1443-ND	18.79	17.26	15.34	13.04	ADQ23Q012	
		24DC	360	66.7	— 30		255-1444-ND	18.79	17.26	15.34	13.04	ADQ23Q024	
HC Series Miniature Power Relays													
5A	SPDT	12DC	160	75	— 10	Plug-In	255-1905-ND	6.84	6.28	5.58	4.75	HC1-H-DC12V	
		24DC	650	37	— 10		255-1906-ND	6.84	6.28	5.58	4.75	HC1-H-DC24V	
		24AC	—	50	— 10		PC Mount	255-1908-ND	6.86	6.30	5.60	4.76	HC1-HP-AC24V
		115AC	—	37	— 10			255-1907-ND	8.09	7.43	6.60	5.61	HC1-HP-AC115V
		115AC	—	37	— 10			255-1910-ND	11.25	10.33	9.18	7.81	HC1E-HP-AC115V
5B	DPDT	24DC	650	37	— 10	PC Mount	255-1909-ND	6.84	6.28	5.58	4.75	HC1-HP-DC24V	
		115AC	—	11.9	7 7		Plug-In	255-1627-ND	9.24	8.49	7.54	6.41	HC2-H-AC115V
		240AC	—	6.5	— 7	255-2205-ND		10.76	9.88	8.78	7.47	HC2-H-AC240V	
		12DC	160	75	7 7	255-1628-ND		8.09	7.43	6.60	5.61	HC2-H-DC12V	
		24DC	650	37	7 7	255-1912-ND	8.09	7.43	6.60	5.61	HC2-H-DC24V		
5C	DPDT	24AC	35	25	3 7	Plug-In	255-1914-ND	11.64	10.69	9.50	8.08	HC2E-H-AC24V	
		12DC	160	75	3 7		255-1915-ND	11.64	10.69	9.50	8.08	HC2E-H-DC12V	
		24DC	650	37	7 7		255-1913-ND	11.29	10.38	9.22	7.84	HC2-HL-DC24V	
5B	DPDT	24AC	—	50	— 7	PC Mount	255-2206-ND	8.09	7.43	6.60	5.61	HC2-HP-AC24V	
		115AC	—	11.9	3 7		255-1916-ND	13.11	12.04	10.70	9.10	HC2E-HP-AC115V	
		24DC	650	37	3 7		255-1917-ND	11.64	10.69	9.50	8.08	HC2E-HP-DC24V	
5D	3PDT	24AC	—	50	— 7	Plug-In	255-2207-ND	8.82	8.10	7.20	6.12	HC3-H-AC24V	
		24DC	650	37	— 7		255-2208-ND	8.82	8.10	7.20	6.12	HC3-H-DC24V	
		24DC	650	37	— 7	PC Mount	255-2209-ND	8.82	8.10	7.20	6.12	HC3-HP-DC24V	

Fig. 1 DF Series - PCB

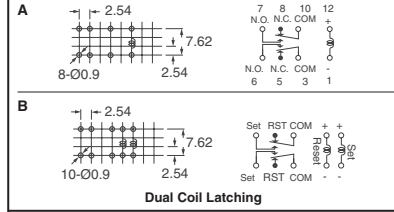
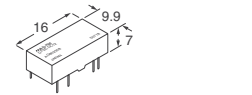


Fig. 2 DK Series - PCB

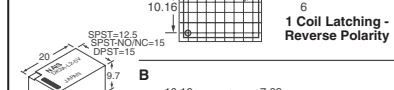


Fig. 3 DSP Series - PCB

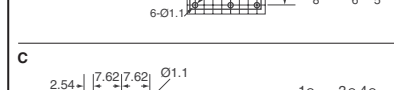
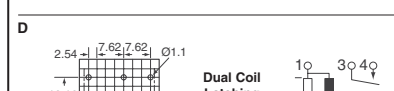


Fig. 4 ADQ Series



(Continued)

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