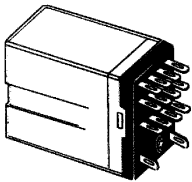


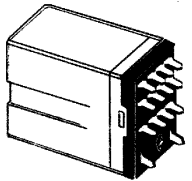
ICE CUBE STYLE SOLDER/PLUG-IN OR PC BOARD RELAY

CLASS
78 & 281

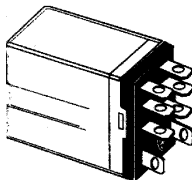
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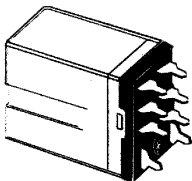
W78ACSX/CSX
4PDT, 3 AMP
Solder/Plug-in



W78APCX/PCX
4PDT, 3 AMP
Printed Circuit



W78ARCSX/RCSX
DPDT, 10 AMP
Solder/plug-in



W78ARPCX/RPCX
DPDT, 10 AMP
Printed Circuit



COIL

Pull-in Voltage: 80% of Nominal Voltage or less
Dropout: DC - 10% min., AC - 30% min.
Max. Voltage: 110%
Coil Resistance: +15%,-20% (AC), ±15% (DC)

CONTACTS

Contact Configuration: DPDT, 4PDT.
Contact Material: 3 AMP Silver gold flashed, 5 & 10 AMP Silver Cadmium Oxide.
Contact Resistance: 50 Milliohms Max.

Contact Rating: DPDT - 10 Amp @ 240VAC/30VDC. 1/3 HP, 120VAC. 1/2HP 240VAC. 4PDT- 5Amp @ 120/240VAC 30VDC. 1/10HP @ 120 VAC. 4PDT-3Amp @ 120 VAC/30VDC. 1/10HP 120VAC.

TIMING

Operate Time: 25mS Max. @ Nominal Voltage.
Release Time: 25 mS Max. @ Nominal Voltage.

DIELECTRIC STRENGTH

Coil to Frame: 1500 V rms
Across Open Contacts: 1000 V rms
Contact to Frame: 1500 V rms
Insulation Resistance: 100 Megohms Min. @ 500 VDC.

TEMPERATURE

Ambient Temperature: -40°C to + 70°C @ Rated Operation

VIBRATION RESISTANCE

Mechanical Durability: 10 to 55 Hz: 1mm (Double Amplitude).
Malfunction Durability, 10 to 55 Hz: 1mm (Double Amplitude).

SHOCK RESISTANCE

Mechanical Durability: 1000 m/s² (approx. 100 G).
Malfunction Durability, 200 m/s² (approx. 20 G).

LIFE EXPECTANCY

Mechanical (No Load): 50,000,000 Operations (AC) 100,000,000 Operations (DC).
Electrical (rated Load): 200,000 Operations Min. (Resistive).

MISCELLANEOUS

Enclosure: Clear Polycarbonate Dust Cover, Molded.
Standard Feature: Opposite Polarity Barrier, 4 Pole style relays Only.
Weight: DPDT 1.41 oz, (Approx. 40 g) . 4PDT 2.47 oz. (Approx. 70 g).

Magnecraft STRUTHERS-DUNN 4PDT, 3 AMP RATING		Magnecraft STRUTHERS-DUNN DPDT, 10 AMP RATING		Coil measured @ 23°C		
DUAL MARKED RELAY PART NUMBERS		DUAL MARKED RELAY PART NUMBERS		Nominal Input Voltage	Nominal Resistance (Ohms)	Nominal Power (Approx.)
AC OPERATED COIL - SOLDER/PLUG-IN STYLE.						
W78ACSX-2	C281XDX100J-12A	W78ARCSX-7	C281XBX411-6A	6 VAC	12.2	1.2VA
W78ACSX-3	C281XDX100J-24A	W78ARCSX-9	C281XBX411-24A	12 VAC	46	1.2VA
W78ACSX-5	C281XDX100J-120A	W78ARCSX-11	C281XBX411-120A	24VAC	180	1.2VA
W78ACSX-6	C281XDX100J-240A	W78ARCSX-12	C281XBX411-220A	120 VAC	4430	1.2VA
				240 VAC	18,790	1.2VA
AC OPERATED COIL - SOLDER/PLUG-IN STYLE WITH INDICATOR LAMP.						
W78ANCSX-24	C281XDX100LJ-24A	W78ARNCSX-6	C281XBX411L-24A	24 VAC	180	1.2VA
W78ANCSX-25	C281XDX100LJ-120A	W78ARNCSX-5	C281XBX411L-120A	120VAC	4430	1.2VA
W78ANCSX-26	C281XDX100LJ-240A	W78ARNCSX-7	C281XBX411L-240A	240 VAC	18,790	1.2VA
DC OPERATED COIL - SOLDER/PLUG-IN STYLE						
W78CSX-1	C281XDX100J-6D	W78RCSX-6	C281XBX411-6D	6 VDC	40	0.9W
W78CSX-2	C281XDX100J-12D	W78RCSX-7	C281XBX411-12D	12 VDC	160	0.9W
W78CSX-3	C281XDX100J-24D	W78RCSX-8	C281XBX411-24D	24VDC	650	0.9W
		W78RCSX-9	C281XBX411-48D	48 VDC	2,600	0.9W
W78CSX-6	C281XDX100J-110D	W78RCSX-10	C281XBX411-110D	110 VDC	11,000	0.9W
DC OPERATED COIL - SOLDER/PLUG-IN STYLE WITH INDICATOR LAMP						
W78NCSX-23	C281XDX100LJ-24D	W78RNCSX-6	C281XBX411L-24D	24 VDC	650	0.9W
AC OPERATED - PRINTED CIRCUIT STYLE						
W78APCX-3	C281XDX103J-24A			24 VAC	180	1.2VA
W78APCX-5	C281XDX103J-120A	W78ARPCX-5	C281XBX413-120A	120 VAC	4430	1.2VA
		W78ARPCX-6	C281XBX413-240A	240 VAC	18,790	1.2VA
DC OPERATED - PRINTED CIRCUIT STYLE						
		W78RPCX-1	C281XBX413-6D	6 VDC	40	0.9W
W78PCX-2	C281XDX103J-12D	W78RPCX-2	C281XBX413-12D	12 VDC	160	0.9W
W78PCX-3	C281XDX103J-24D	W78RPCX-3	C281XBX413-24D	24 VDC	650	0.9W
W78PCX-6	C281XDX103J-110D			110 VDC	11,000	0.9W
4PDT, 5 AMP RATING						
AC OPERATED COIL - SOLDER/PLUG-IN STYLE.						
W78KACSX-15	C281XDX210J-24A			24VAC	180	1.2VA
W78KACSX-17	C281XDX210J-120A			120 VAC	4430	1.2VA
W78KACSX-18	C281XDX210J-240A			240 VAC	18,790	1.2VA
DC OPERATED COIL - SOLDER/PLUG-IN STYLE.						
W78KCSX-12	C281XDX210J-12D			12 VDC	160	0.9 W
W78KCSX-13	C281XDX210J-24D			24 VDC	650	0.9W