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REVISIONS

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P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	INITIAL RELEASE	30OCT2019	RV	MB

### Electrical Characteristics

**Contact Arrangement** — 2 Form C (DPDT)

**Contact Material** —

Stationary — Silver cadmium oxide  
Moveable — Silver cadmium oxide

**Contact Resistance** —

Before Life — 10 milliohms max.  
After life — 20 milliohms max.  
(Measured at 10 A @ 28 Vdc)

**Mechanical Life Expectancy** —

1 million operations

**Coil Voltage** — 6 to 120 Vdc, 115 Vac

**Coil Power** — 4.3 watts max. @ 25°C

**Duty Cycle** — Continuous

**Pick-up Voltage** — Approximately 50% of nominal coil voltage

**Pick-up Sensitivity** — 565 mW

### Operating Characteristics

**Operate Time** —

Std — 10 ms max.  
QPL — 15 ms max.  
AC Coil — 15 ms max.

**Release Time** —

Std — 10 ms max.  
QPL — 15 ms max.  
AC Coil — 20 ms max.

**Contact Bounce** —

Std — 5 ms max. (N.O. and N.C.)  
QPL — 2 ms max. (N.O.)  
QPL — 5 ms max. (N.C.)

**Dielectric Withstanding Voltage** —

Between Open Contacts — 500 Vrms 60 Hz

Between Adjacent Contacts — 1000 Vrms 60 Hz

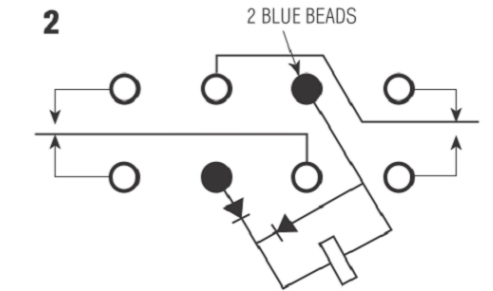
Between Contacts and Coil — 1000 Vrms 60 Hz

**Insulation Resistance** —

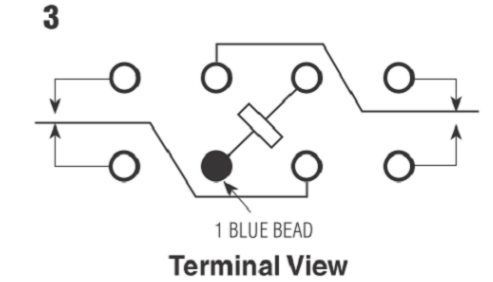
1,000 megohms min. @ 500 Vdc

### Coil Data

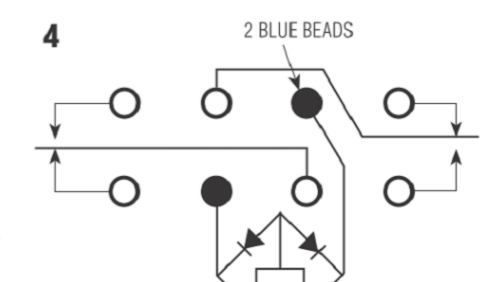
	Nom. Coil Voltage (Vdc)	Coil Resistance in Ohms ±10% @ 25°C	Pickup Voltage Vdc (Max.) @ 25°C	Pickup Voltage Vdc (Max.) @ 125°C	Drop-out Voltage Vdc (Min.) @ 25°C	Drop-out Voltage Vdc (Min.) @ -65°C	Nom. Coil Power (mW) @ 25°C	Max. Coil Voltage	Coil Desig.	Environmental
	6.0	19	3.6	4.5	0.4	0.25	1.89	9.0	AA	Temperature -55°C to +85°C
	12.0	75	7.2	9.0	0.9	0.5	1.92	16.0	AB	Vibration 20G's, 10 to 2,000Hz
	26.5	300	14.4	18.0	1.8	1.0	2.34	32.0	AC	Shock 50G's, 11ms
	48.0	1,200	29.0	36.0	3.6	2.0	1.92	52.0	AD	
	120.0	7,600	72.0	90.0	9.0	5.0	1.89	122.0	AE	
	115 Vac 400 Hz	1,200	72.0	90.0	10.0	5.0	n/a	n/a	AR	
	115 Vac 60-400 Hz	7,600	72.0	90.0	10.0	5.0	n/a	n/a	AS	
	6.0	19	3.3	4.5	0.4	0.25	1.89	9.0	BA	Temperature -65°C to +125°C
	12.0	75	6.5	9.0	0.9	0.5	1.92	16.0	BB	Vibration 20G's, 10 to 2,000Hz
	26.5	300	13.0	18.0	1.8	1.0	2.34	32.0	BC	Shock 50G's, 11ms
	48.0	1,200	26.0	36.0	3.6	2.0	1.92	52.0	BD	
	120.0	7,600	66.0	90.0	9.0	5.0	1.89	122.0	BE	
	115 Vac 400 Hz	1,200	75.0	90.0	10.0	5.0	n/a	n/a	BR	
	115 Vac 60-400 Hz	7,600	75.0	90.0	10.0	5.0	n/a	n/a	BS	
	6.0	19	3.7	5.0	0.4	0.25	1.89	9.0	CA	Temperature -65°C to +125°C
	12.0	75	7.4	10.0	0.9	0.5	1.92	16.0	CB	Vibration 30G's, 10 to 2,000Hz
	26.5	300	14.7	20.0	1.8	1.0	2.34	32.0	CC	Shock 100G's, 6ms
	48.0	1,200	29.4	40.0	3.6	2.0	1.92	52.0	CD	
	120.0	7,600	74.0	100.0	9.0	5.0	1.89	122.0	CE	
	115 Vac 400 Hz	1,200	80.0	100.0	10.0	5.0	n/a	n/a	CR	
	115 Vac 60-400 Hz	7,600	80.0	100.0	10.0	5.0	n/a	n/a	CS	



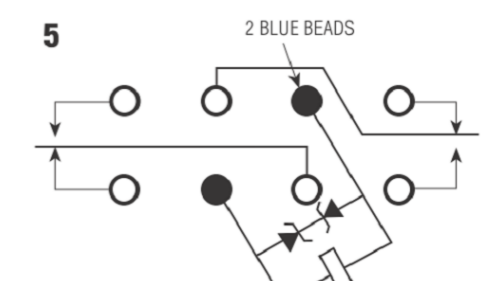
Terminal View



Terminal View

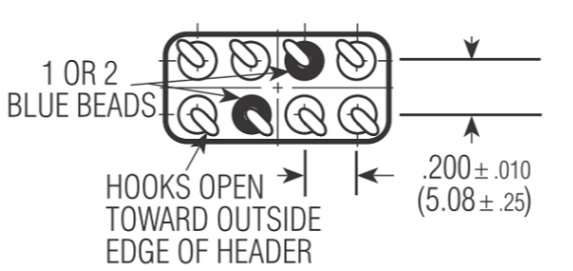
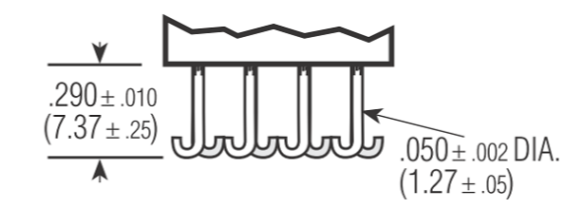


Terminal View



Terminal View

### 2: SOLDER FINISH

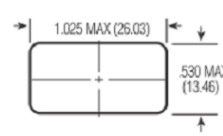


Terminals

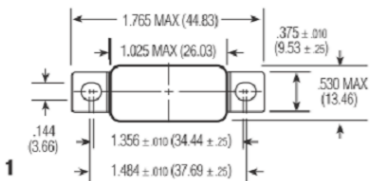
**07**  
**Two Pole 10 Amp**  
**High Performance Relay**  
**Qualified to**  
**MIL-R-5757/23**  
**MS 27245 & MS 27247**

### Product Facts

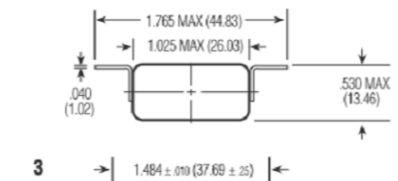
- Hermetically sealed
- Up to 10 amps switching
- High shock & vibration ratings
- Optional terminals & mounting styles
- DC, AC & diode-suppressed coils



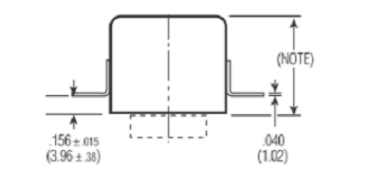
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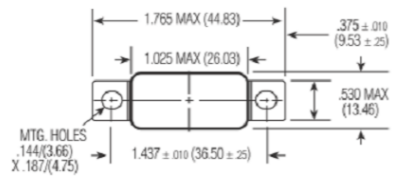
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3



4



6

**Note:**  
A07 = .895 max (22.73), Schematic 3 only  
B07 = 1.010 max (25.66), Schematic 3 only  
B07 = 1.234 max (31.35), Schematics 2, 4 & 5 only

**07 Mounting Styles**

Type	Rated	Mountings	Schematic	Terminals	Coil	Testing
B07	B	3	3	2	BC	1

ALL DIMENSIONS ARE IN INCHES(MM)

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN RV 30OCT2019			NAME		C-A07/B07-SERIES		
DIMENSIONS: INCHES		CHK RV 30OCT2019			SIZE		CAGE CODE		DRAWING NO
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD MB 30OCT2019	PRODUCT SPEC		RESTRICTED TO		-		
0 PLC ± -		APPLICATION SPEC		WEIGHT		A3		-	
1 PLC ± -		CUSTOMER DRAWING		SCALE		NTS		SHEET 1 OF 1	
2 PLC ± -		SCALE		REV		A		-	
3 PLC ± -		SHEET		REV		A		-	
4 PLC ± -		REV		A		-		-	
5 PLC ± -		REV		A		-		-	
6 ANGLE ± -		REV		A		-		-	
MATERIAL		FINISH		REV		A		-	