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REVISIONS

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

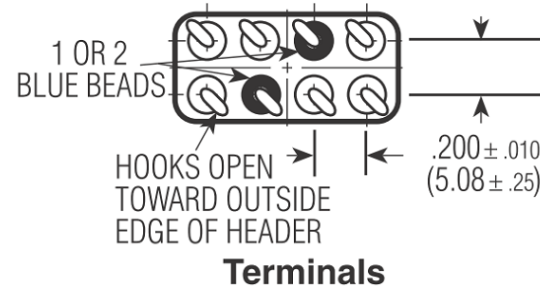
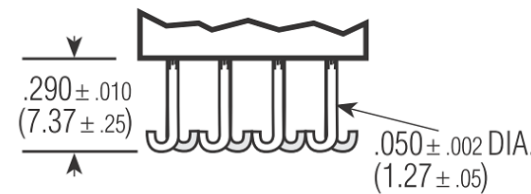
**Insulation Resistance** —

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	

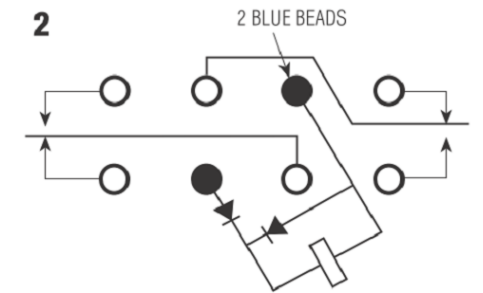
2: SOLDER FINISH



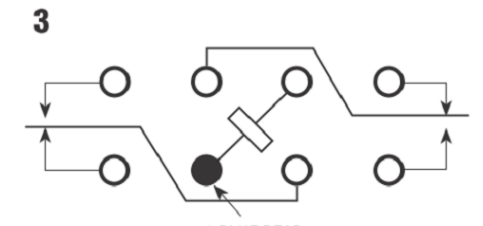
07  
Two Pole 10 Amp  
High Performance Relay  
Qualified to  
MIL-R-5757/23  
MS 27245 & MS 27247

Product Facts

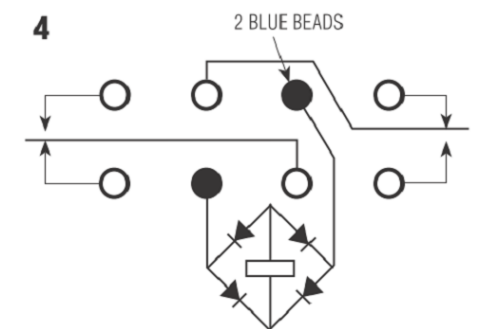
- Hermetically sealed
- Up to 10 amps switching
- High shock & vibration ratings
- Optional terminals & mounting styles
- DC, AC & diode-suppressed coils



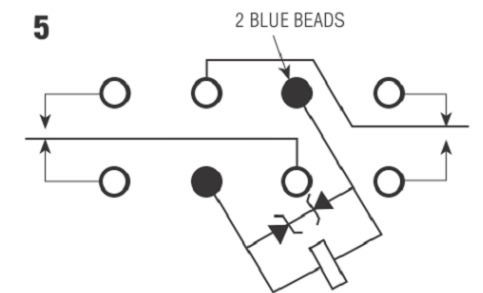
Terminal View



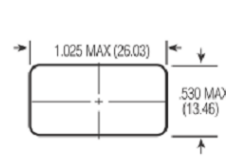
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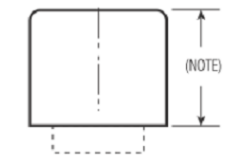
Terminal View



Terminal View

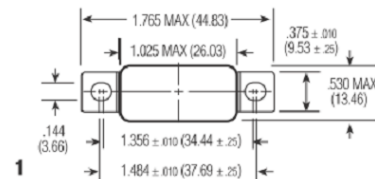


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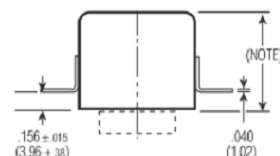


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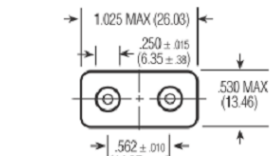
**Note:**  
A07 = .895 max (22.73), Schematic 3 only  
B07 = 1.010 max (25.66), Schematic 3 only  
B07 = 1.234 max (31.35), Schematics 2, 4 & 5 only



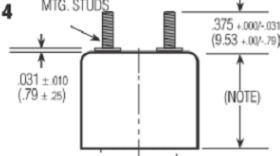
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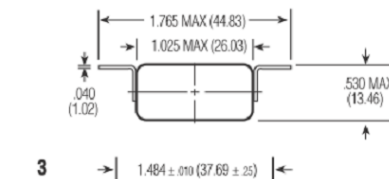
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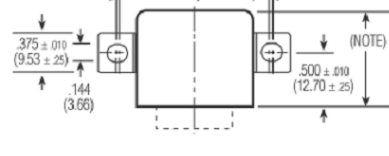
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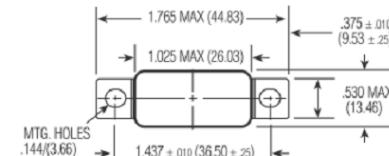
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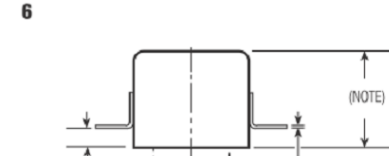
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3



6



6

07 Mounting Styles

**Specifying a Part Number Example:**

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.

DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED:
	0 PLC ± — 1 PLC ± — 2 PLC ± — 3 PLC ± — 4 PLC ± — ANGLES ± —
MATERIAL	FINISH
—	—

DWN RV 30OCT2019	TE Connectivity			
CHK RV 30OCT2019				
APVD MB 30OCT2019	NAME C-A07/B07-SERIES			
PRODUCT SPEC	—			
APPLICATION SPEC	—			
WEIGHT	—	SIZE A3	CAGE CODE —	DRAWING NO C-A07/B07-SERIES
CUSTOMER DRAWING			SCALE NTS	SHEET 1 OF 1
			REV A	

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