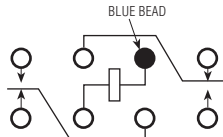
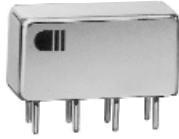


# HFC

## HFC

COMMERCIAL/INDUSTRIAL  
HALF SIZE RELAY

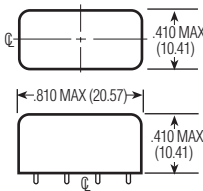


TERMINAL VIEW

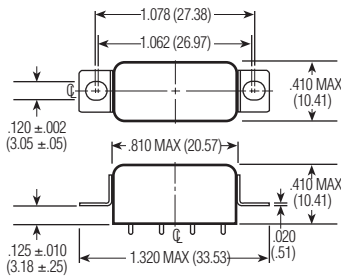
**FEATURES**

- Hermetically sealed
- Up to 5 amps switching
- Economical configuration
- Optional terminals & mounting styles

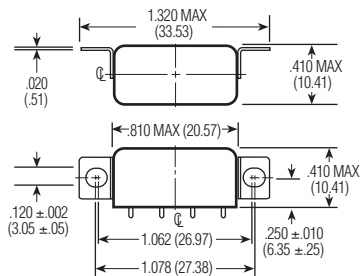
01



30



31



**MOUNTING STYLES**

**ELECTRICAL CHARACTERISTICS**

**CONTACT ARRANGEMENT**

2 Form C (DPDT)

**CONTACT MATERIAL**

Stationary:  
Bifurcated hardened silver alloy

Moveable:  
Gold plated hardened alloy

**CONTACT RESISTANCE**

Before Life: 50 milliohms max.  
(measured at 10 mA @ 6 Vdc)

After Life: 100 milliohms max.  
(measured @ 2 A @ 28 Vdc)

**MECHANICAL LIFE EXPECTANCY**

10 million operations

**COIL VOLTAGE**

5 to 26.5 Vdc

**COIL POWER**

1.4 watts max. @ 25°C

**DUTY CYCLE**

Continuous

**PICK-UP VOLTAGE**

Approximately 60% of  
nominal coil voltage

**PICK-UP SENSITIVITY**

360 mW

**OPERATING CHARACTERISTICS**

**TIMING**

Operate Time:  
6.0 ms max.

Release Time:  
6.0 ms max.

**DIELECTRIC WITHSTANDING VOLTAGE**

Between Open Contacts:  
350 Vrms 60 Hz

Between Adjacent Contacts:  
500 Vrms 60 Hz

Between Contacts and Coil:  
500 Vrms 60 Hz

**INSULATION RESISTANCE**

1,000 megohms min @ 500 Vdc

**ENVIRONMENTAL CHARACTERISTICS**

**TEMPERATURE RANGE**

-55°C to +85°C

**WEIGHT**

0.46 oz. (13 gms) max.

**VIBRATION RESISTANCE**

10 G's, 10 to 500 Hz

**SHOCK RESISTANCE**

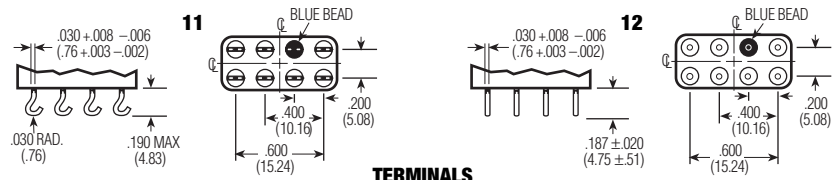
30 G's, 6 ± 1 ms

**CONTACT RATINGS**

	CONTACT LOAD	TYPE	OPERATIONS MIN.
	2 A @ 28 Vdc	Resistive	100,000
<b>HFC4A</b>	4 A @ 28 Vdc	Resistive	100,000
<b>HFC5A</b>	5 A @ 28 Vdc	Resistive	100,000
	0.75 A @ 28 Vdc	Inductive (200 mH)	100,000
	0.3 A @ 115 Vac, 60 Hz & 400 Hz	Resistive	100,000

**STANDARD COIL DATA**

NOM. COIL VOLTAGE (Vdc)	COIL RESISTANCE IN OHMS ± 20% @ 25°C	PICKUP VOLTAGE Vdc (MAX.) @ 25°C	PICKUP VOLTAGE Vdc (MAX.) @ 85°C	NOM. COIL POWER (W) @ 25°C	MAX. COIL VOLTAGE	COIL DESIG.
5.0	27	3.0	3.7	.92	6.0	L
6.0	40	3.6	4.5	.90	7.5	F
12.0	160	7.2	8.9	.90	15.0	G
26.5	700	16.0	19.7	1.00	32.0	K



**TERMINALS**

**SPECIFYING A PART NUMBER EXAMPLE:**

**TYPE** HFC    **TERMINALS** 12    **MOUNTINGS** 30    **COILS** K    **FEATURES** 00