



GENERAL INFORMATION

SELECTOR CHART

Series	Series Types	Enclosure	Contacts		Nominal Coil Voltage or Current	Operating Power at P.I. (mW)	Applicable Specification Approvals			
			Arrangement	Rating			MILITARY		CECC	
							Mil-PRF-39016/	Mil-PRF-28776/	16101-	16207-
MA	MA	TO-5	DPDT	1A / 28 Vdc	5...30,0 Vdc	130	9			
	MA-D				5...26,5 Vdc	15				
	MA-DD					20				
	MA-T					130		1		
MA2		TO-5	DPDT	1A / 28 Vdc	5...30,0 Vdc	130			003	
MCA		TO-5	DPDT	2A / 28 Vdc	5...26,5 Vdc	150				
MS	MS	TO-5	DPDT	1A / 28 Vdc	5...48,0 Vdc	60	11			
	MS-D					16				
	MS-DD					21				
	MS-T					60		3		
MS2		TO-5	DPDT	1A / 28 Vdc	5...48,0 Vdc	60			004	
1MA	1MA	TO-5	SPDT	1A / 28 Vdc	5...26,5 Vdc	100	7			
	1MA-D					23				
	1MA-DD					24				
	1MA-T					100		5		
1MA1		TO-5	SPDT	1A / 28 Vdc	5...26,5 Vdc	100			005	
1MS	1MS	TO-5	SPDT	1A / 28 Vdc	5...40,0 Vdc	50	10			
	1MS-D					25				
	1MS-DD					40	26			
	1MS-T					50		4		
1MS1		TO-5	SPDT	1A / 28 Vdc	5...40,0 Vdc	50			006	
MGA	MGA	CUBIC .100GRID	DPDT	1A / 28 Vdc	5...26,5 Vdc	130	17			
	MGA-D					18				
	MGA-DD					150	19			
MGAE	MGAE	CUBIC .100GRID	DPDT	1A / 28 Vdc	5...28,0 Vdc	130			801	
	MGAE-D									
	MGAE-DD					150				
MGA2	MGA2 / D2	CUBIC	DPDT	1A / 28 Vdc	5...28,0 Vdc	140			007	
MGS	MGS	CUBIC .100GRID	DPDT	1A / 28 Vdc	5...48,0 Vdc	60	41			
	MGS-D					42				
	MGS-DD					43				
MGSE	MGSE	CUBIC .100GRID	DPDT	1A / 28 Vdc	5...48,0 Vdc	60			802	
	MGSE-D									
	MGSE-DD									
MGS2	MGS2 / D2	CUBIC	DPDT	1A / 28 Vdc	5...48,0 Vdc	60			008	
12K		1/2 CC	DPDT	2A / 28 Vdc	5...26,5 Vdc	250	6			
2K		1/2 CC	DPDT	2A / 28 Vdc	5...48,0 Vdc	250				
2K6600		1/2 CC	DPDT	2A / 28 Vdc	5...48,0 Vdc	250			007,014,021	
							MILITARY Compliance			
							Mil-R-39016/	Mil-R-5757/		
2K7940		1/2 CC	DPDT	2A / 28 Vdc	6...26,5 Vdc	250	22			
KA	2KA	1/2 CC	DPDT	2A / 28 Vdc	5...48,0 Vdc	100				
HA	2HA	1/2 CC	DPDT	5A / 28 Vdc	5...48,0 Vdc	300				
B	2B	CC	DPDT	2A / 28 Vdc	6...76,0 Vdc	250				
	2BR				26,5...115 Vac	370				
2B6660		CC	DPDT	3A / 28 Vdc	6...76,0 Vdc	250			008	
2B7506		CC	DPDT	2A / 28 Vdc	6...26,5 Vdc	250		10		
BS	2BSA	CC	DPDT	2A / 28 Vdc	6...26,5 Vdc	100				
	1BSK		SPDT		3,2...70,6mA	25				
	2BSK		DPDT		4,0...89,2mA	40				
BN	1BN	CC	SPDT	5A / 28 Vdc	6...76,0 Vdc	280				
	2BN		DPDT							
2BC7201		CC	DPDT	2A / 28 Vdc	4,0...90,0mA	40		13		
BCN	1BCN	CC	SPDT	5A / 28 Vdc	6...40,0 Vdc	80				
	2BCN		DPDT							
4B			4PDT	2A / 28 Vdc	6...115 Vdc	400				
T	2T	CC	DPDT	10A / 28 Vdc	6...115 Vdc	500				
	2TR				115 Vac					
TN	2TN	CC	DPDT	15A / 28 Vdc	6...115 Vdc	500				
	2TNR				115 Vac					
2T7188		CC	DPDT	10A / 28 Vdc	6...120 Vdc	500		23		
RFK	RFK	1/2 CC	SPDT	2A / 28 Vdc	6...26,5 Vdc	250				
	2RFK		DPDT							
RFB	RFB	CC	SPDT	2A / 28 Vdc	6...76,5 Vdc	250				
	2RFB		DPDT							
RFBC	RFBC	CC	SPDT	2A / 28 Vdc	4,0...89,2 mA	40				
	2RFBC		DPDT							
4MA		CC	4PDT	1A / 28 Vdc	5,0...30,0 Vdc	260				
4MS		CC	4PDT	1A / 28 Vdc	5,0...48,0 Vdc	120				



FULL SIZE CRYSTAL CAN RELAY 3 AMPERE DPDT

Series
2B-6660

Product Description

This standard size crystal can hermetically sealed relay series, offers switching capability of low level signals up 3 amperes under the most extreme environmental conditions, manufactured and qualified to the referenced CECC specifications.

The following construction features ensure the highest reliability in extreme environments:

- All welded relay construction
- Cleaning and sealing techniques ensures maximum internal cleanliness
- Low level to 3 amp. switching
- 2 form C, DPDT contacts, special metal alloy with gold plating

Series Type

- 2B-6660 2 form C, DPDT

Environmental and Physical Specifications

Temperature (Ambient)	-65°C to +125°C
Shock	50 g's, 11 msec., half sine wave
Vibration (sinusoidal)	20 g's, 10 to 2000 Hz, 1,5 amplitude peak
Bump	40 g's, 6 msec.,
Sealing	All welded, Hermetic
Weight	0,7 oz. (28,5 grams) max.
Finish	Bright tin lead plated terminals and case



Electrical Characteristics (over the Temperature range, unless otherwise noted)

Coil Data	See Typical Characteristics chart		
Contact Rating	Type Load	Contact Load	Cycles min.
(Note : All ratings with grounded case)	Low Level	10 mA / 30 mV max.	1.000.000
	Resistive	3 Amp / 28 Vdc,	100.000
	Overload	6 Amp / 28 Vdc	100
	Inductive	0,75 Amp / 28 Vdc (200 mH)	100.000
Contact Resistance	0,05 ohm max. initial, 0,2 ohm max after life		
Operate Time	6,5 msec. max. at 25°C		
Release Time	3,0 msec. max. at 25°C		
Contact Bounce	3,0 msec. max. at 25°C		
Dielectric Strength	1000 Vrms min., 60 Hz, all points at sea level		
Insulation Resistance	1000 megohms min. all points at 500 Vdc		
Intercontact Capacitance	2.5 pF typical		
Sensitivity	250 milliwatts at pick-up, 1,2 watts max. at nominal rated coil voltage, at 25 °C		



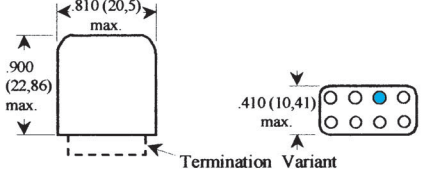
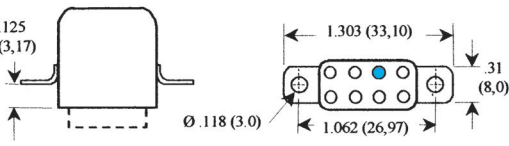
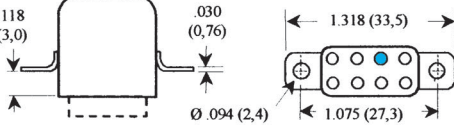
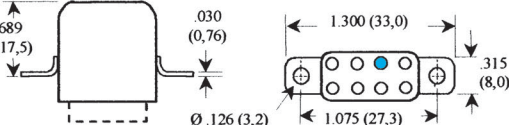
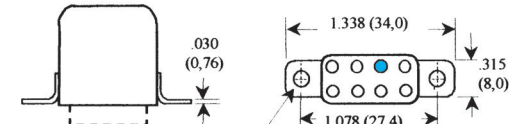
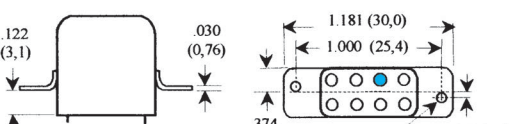
FULL SIZE CRYSTAL CAN RELAY 3 AMPERE DPDT

Series
2B-6660

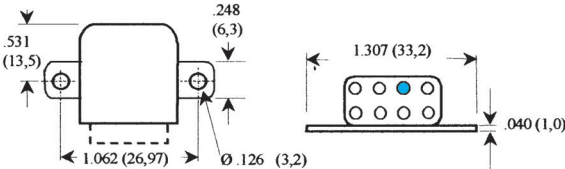
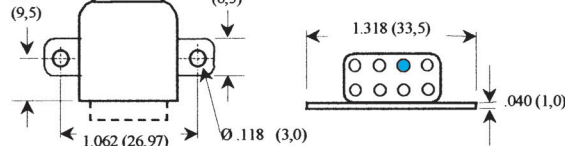
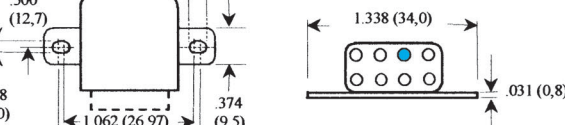
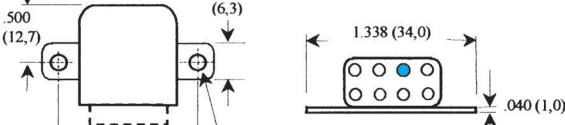
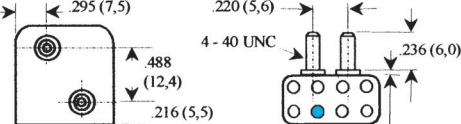
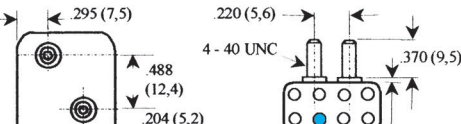
Typical Characteristics

Coil Variant Code	Coil Voltage V dc		Coil Resistance ohms ± 10% at 25 °C	Operate Voltage V dc Max. at		Release Voltage V dc			
	Rated	Max.		25 °C	125 °C	Non-release at		Must-release at	
						25 °C	125 °C	25 °C	-65 °C
01	6,0	7,0	30	-	5,0	-	2,5	-	0,4
02		7,2	35	3,6	-	-	-	0,30	-
03		7,2	40	3,1	-	-	-	0,50	-
04		7,3	44	-	4,2	-	-	-	0,14
05	12,0	14,0	145	-	10,0	-	5,0	-	0,8
06		14,4	160	6,3	-	-	-	0,75	-
07		14,7	194	-	8,9	-	-	-	0,32
08		14,4	200	7,2	-	-	-	0,60	-
09	24,0	32,0	675	14,4	-	-	-	1,2	-
10	26,5	32,0	675	-	18,0	-	14,0	-	1,5
11		32,0	675	13,0	-	-	-	1,5	-
12		30,0	700	-	22,0	-	12,0	-	1,5
13	48,0	55,0	2300	-	40,0	-	20,0	-	2,9
14		57,6	2450	28,3	-	-	-	2,4	-
15		58,0	2500	25,0	-	-	-	2,5	-
16	76,0	90,0	5000	35,0	-	-	-	3,0	-

Mounting Variants

01	
02	
03	
04	
05	
06	

Mounting Variants

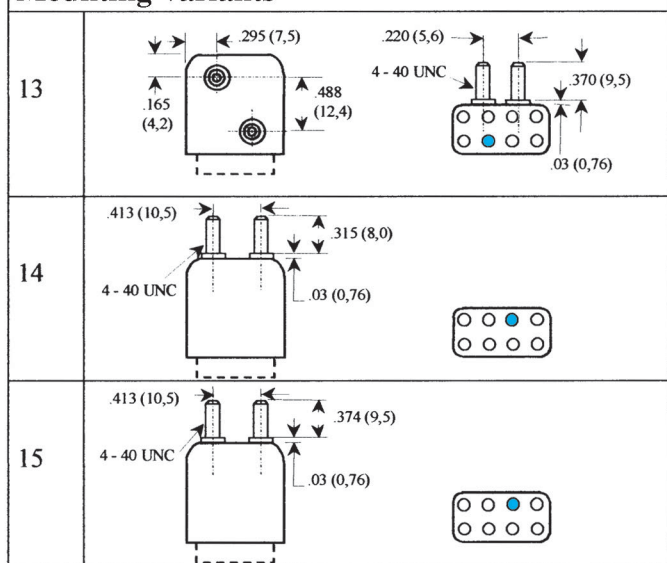
07	
08	
09	
10	
11	
12	



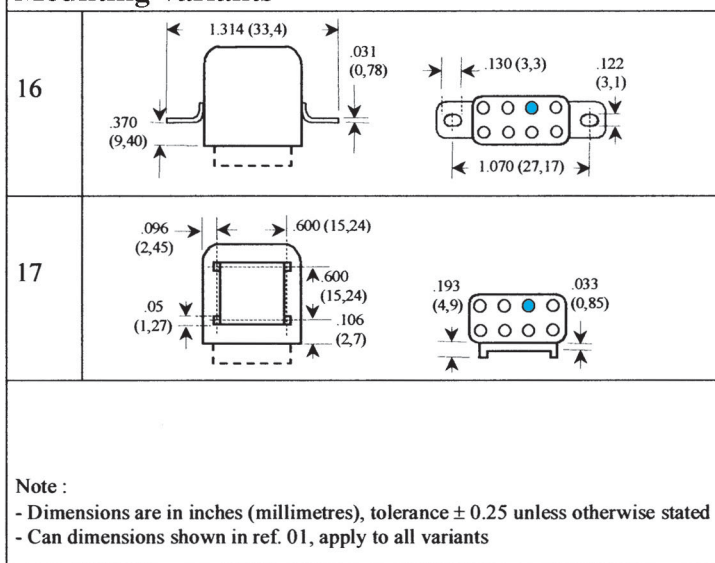
FULL SIZE CRYSTAL CAN RELAY 3 AMPERE DPDT

Series
2B-6660

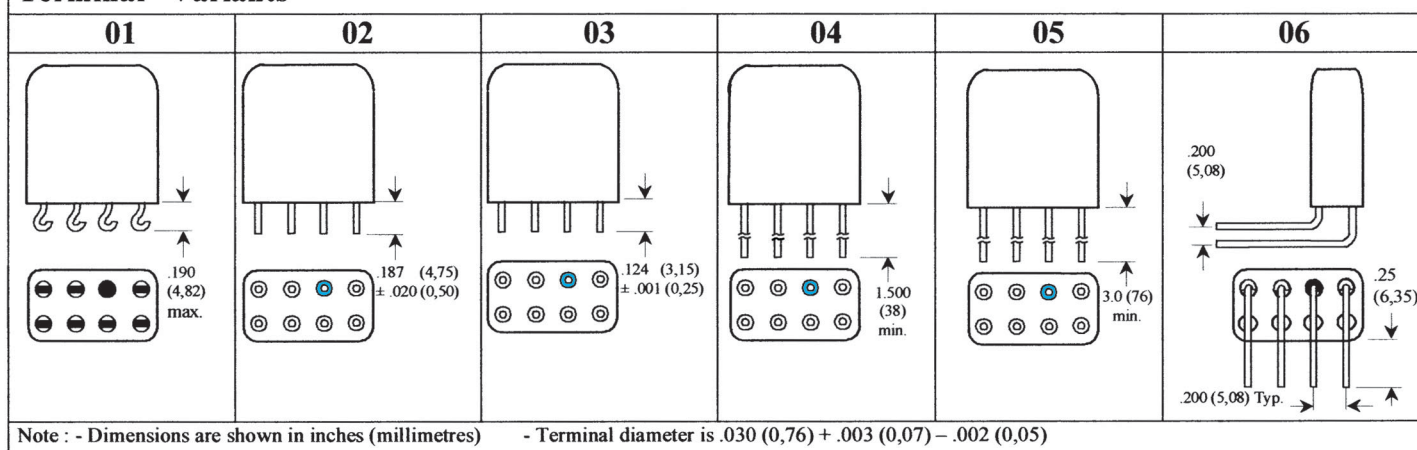
Mounting Variants



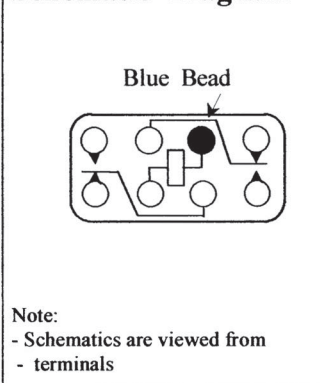
Mounting Variants



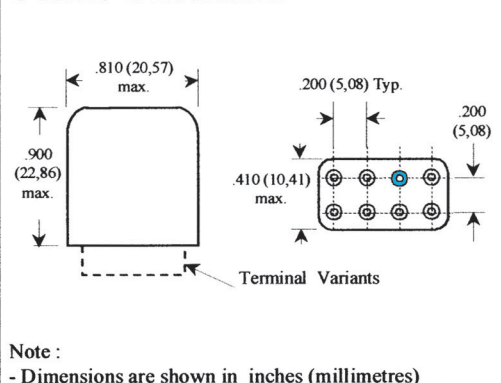
Terminal Variants



Schematic Diagram

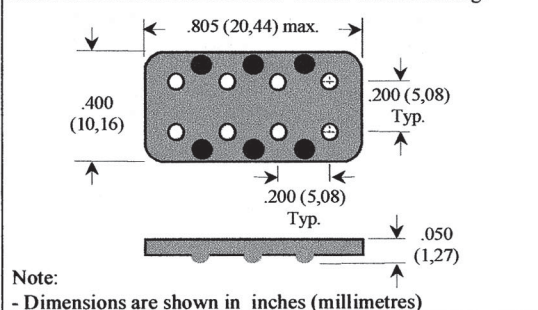


Outline Dimensions



Insulating Pad

Relays can be supplied with a insulating pad epoxied to the relay header, to prevent the possible shorting of printed circuit board land lines and to facilitate circuit board cleaning.



How to Order

CECC 16101 - 008 - 16 - 09 - 01 - P

CECC Specification No.
Type Code (CECC registration No.)
Coil Variant Code

Insulating Pad (optional)
Terminal Variant
Mounting Variant