



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							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							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							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			
	1MS-T						50		4	
1MS1		TO-5	SPDT	1A / 28 Vdc	5...40,0 Vdc	50			006	
	MGA	CUBIC .100GRID	DPDT	1A / 28 Vdc	5...26,5 Vdc	130	17			
	MGA-D						18			
MGA-DD	150									
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		DPDT		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	
			DPDT		6...26,5 Vdc		100			
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 2 AMPERE DPDT

Series
2B -7506

Product Description

A complete series of full crystal can hermetically sealed relays manufactured in compliance to the referenced Military specification.

The leading relay design in military and commercial application is represented in Nuova Hi-G Italia 2B-7506 series relay. The product advanced design provides superior performance in the environmental and operational requirements of today's sophisticated equipment.

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

- All welded relay construction
- Cleaning and sealing techniques ensures maximum internal cleanliness
- Low level to 2 amp. switching
- 2 form C, DPDT contacts, special metal alloy with gold plating
- Frame, armature designs and force / mass ratio provides exceptional shock and vibration immunity

Series Type

- 2B-7506 2 form C, DPDT

Environmental and Physical Specifications

Temperature (Ambient)	-65°C to + 125°C
Shock	100 g's, 6 m sec.
Vibration (sinusoidal)	20 g's, 10 to 2000 Hz
Acceleration	50 g's
Sealing	All welded, Hermetic
Weight	0,8 oz. (22,68 grams) max.



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

Coil Data	See Typical Characteristics chart				
Contact Rating (Note: All ratings with grounded case)	Type load	Contact load		Cycles min.	
		High Level	Low Level		
	Resistive	2 Amp / 28 Vdc 0,3 Amp/115Vac, 60 and 400 HZ	10 to 50 µA / 10 to 50 mV		100.000 100.000
	Overload	4 Amp / 28 Vdc	NA		100
	Inductive	1,0 Amp / 28 Vdc (200 mH)	NA		100.000
	Lamp	0,1 Amp / 28 Vdc	NA	100.000	
Contact Resistance	0,05 ohm max. initial; 0,1 ohm max. after life high level; 0,15 ohm max. after low level				
Operate Time	6,0 msec. max.				
Release Time	6,0 msec. max.				
Contact Bounce	High level 1,0 msec. max. ; low level 2,0 msec. max.				
Dielectric strength	1000 vrms min., 60 Hz, all points, 500 Vrms min., Between open contacts and coil to case, at sea level		350 Vrms min., 60 Hz, all points at 70.000 ft.		
Insulation Resistance	1000 megohms min. all points at 500 Vdc				
Intercontact Capacitance	2,5 pF between contact				
Sensitivity	1,0 watt max. at nominal rated coil voltage, at 25°C				

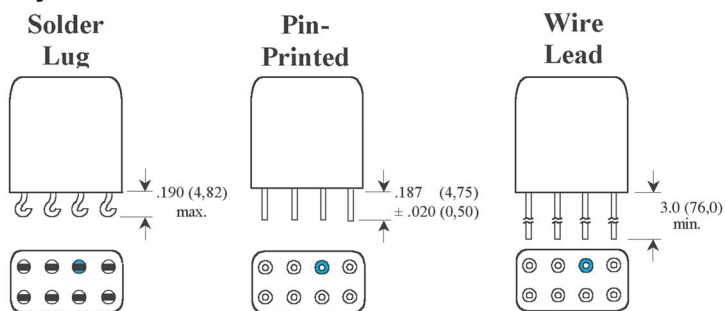


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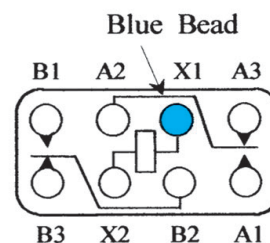
Mounting Styles							Terminal Styles	Coil Resistance ohms ± 10 % at 25°C	OPERATE PARAMETERS				
LOW LEVEL CONTACTS		HIGH LEVEL CONTACTS			None	Coil Voltage Vdc			P.I. Vdc	D.O. Vdc			
Stud	B	Side	Stud	A			B	Max.		Nom.	Max.	Max.	Min.
						-052	Solder Lug	675	32,0	26,5	18,0	14,0	1,5
						-053	Wire Lead	675	32,0	26,5	18,0	14,0	1,5
						-054	Pin	675	32,0	26,5	18,0	14,0	1,5
-015		-035	-037	-039	-043		Solder Lug	675	32,0	26,5	18,0	14,0	1,5
-016		-036	-038				Wire Lead	675	32,0	26,5	18,0	14,0	1,5
	-022			-040	-044		Pin	675	32,0	26,5	18,0	14,0	1,5
				-067		-060	Pin	194	14,7	12,0	8,9	6,0	0,32
						-059	Pin	44	7,3	6,0	4,2	3,0	0,14

Terminal Styles



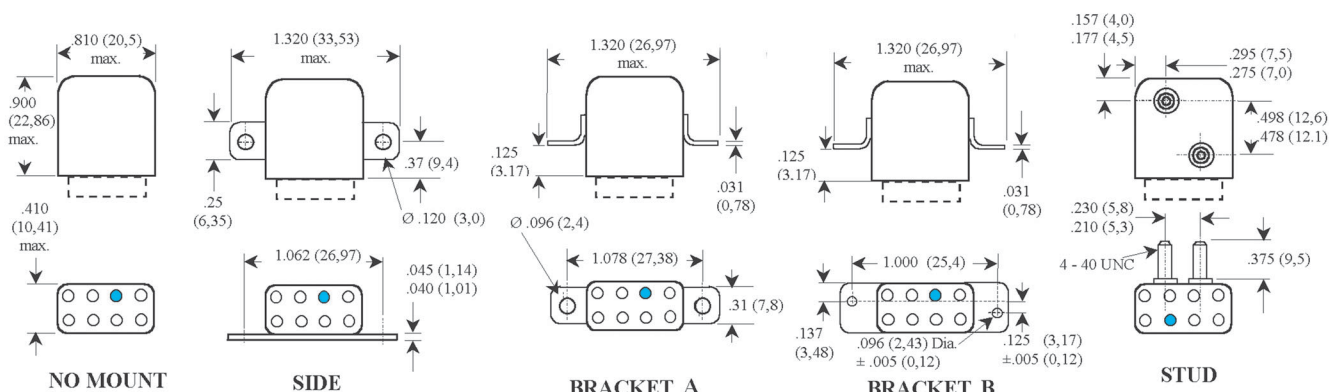
Note:
- Dimension are shown in inches (millimetres)
- Terminal spacing is .200 (5,08). Terminal diameter is .030 (0,76) + .003 (0,07) - .002 (0,05)

Schematic Diagram



Note: - Schematic is viewed from terminals

Mounting Styles



Note: - Dimension are shown inches (millimeters)

How to Order

(Part Numbering System)

2B-7506

-015

P

Series

Dash number (see characteristics table)

Insulating pad (optional) See half crystal series

Note: Relays compliant to MIL-R-5757/10 are designated 2B-7506 and Applicable dash numbers coincide with N Hi-G Italia dash numbers