



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				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						CC	DPDT	2A / 28 Vdc	6...26,5 Vdc	100			
	2BSA											CC	SPDT	2A / 28 Vdc
1BSK	CC	DPDT	2A / 28 Vdc	3,2...70,6mA	40									
2BSK						CC	DPDT	2A / 28 Vdc	4,0...89,2mA	40				
BN	1BN	CC	SPDT	5A / 28 Vdc	6...76,0 Vdc						280			
	2BN					CC	DPDT	2A / 28 Vdc	4,0...90,0mA	40				
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						CC	DPDT	2A / 28 Vdc	6...115 Vdc	400			
4B		CC	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								
	2REFK						CC	DPDT	2A / 28 Vdc	6...76,5 Vdc	250			
RFB	RFB	CC	SPDT	2A / 28 Vdc	6...76,5 Vdc	250								
	2RFB						CC	DPDT	2A / 28 Vdc	4,0...89,2 mA	40			
RFBC	RFBC	CC	SPDT	2A / 28 Vdc	4,0...89,2 mA	40								
	2RFBC						CC	DPDT	1A / 28 Vdc	5,0...30,0 Vdc	260			
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 SENSITIVE

Series
2BC-7201

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 2BC-7201 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

- **2BC-7201** 2 form C, DPDT

Environmental and Physical Specifications

Temperature (Ambient)	-65°C to + 125°C
Shock	100 g's, 6 msec.
Vibration (sinusoidal)	15 g's, 10 to 2000 Hz
Acceleration	30 g's
Sealing	All welded, Hermetic
Weight	1 oz. (28,35 grams)max.



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 to 50 μ A / 10 to 50 mV	100.000
	Resistive	2 Amp / 28 Vdc	100.000
		0,3 Amp/115Vac, 60 and 400Hz	100.000
	Inductive	0,75 Amp / 28 Vdc (200 mH)	100.000
	Lamp	0,1 Amp / 28 Vdc	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	15,0 msec. max.		
Release Time	10,0 msec. max.		
Contact Bounce	2,0 msec. max.		
Dielectric strength	1000 vrms min., 60 Hz, all points, 500 Vrms min., Bet ween 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		

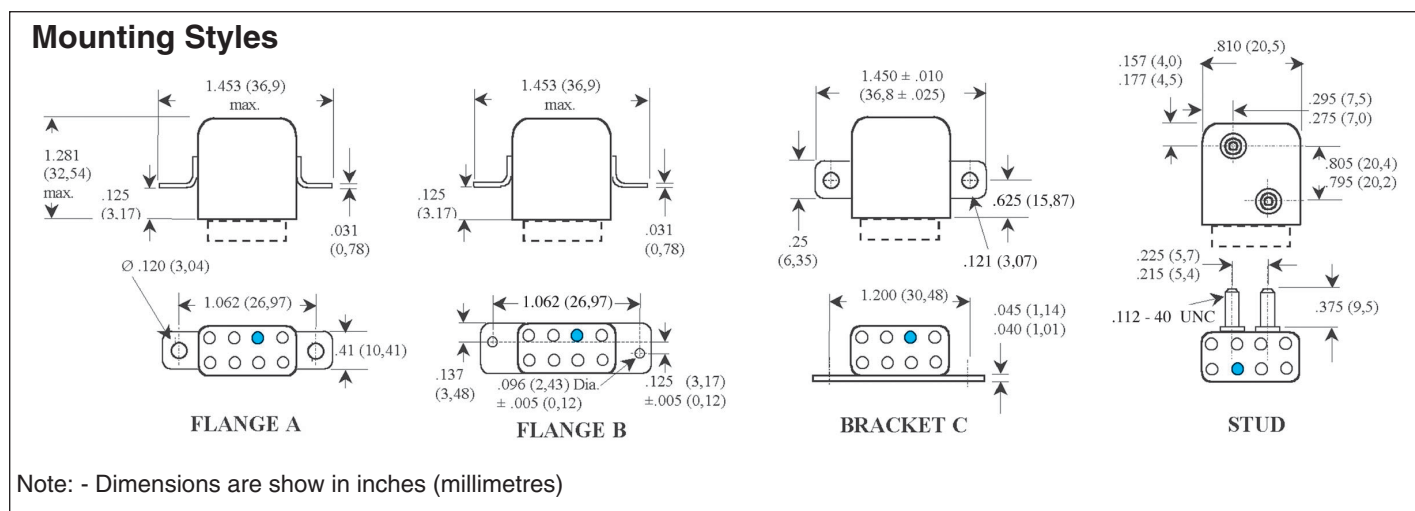
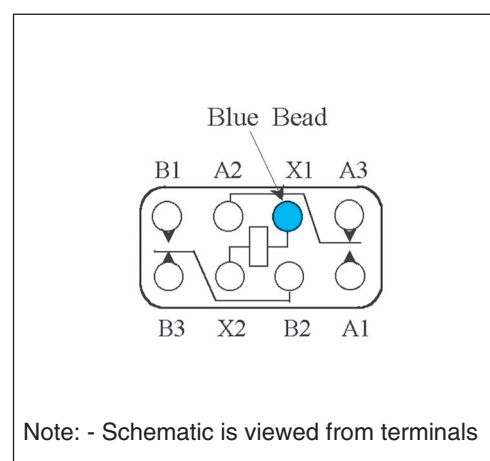
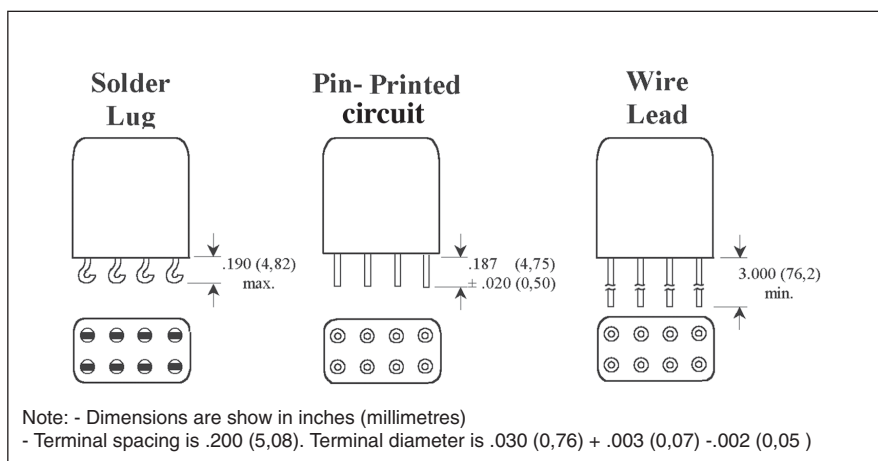


FULL SIZE CRYSTAL CAN RELAY 2 AMPERE SENSITIVE

Series
2BC-7201

Typical Characteristics

TERMINAL MOUNTING	Lug	Lug	Lug	Lug	PC	Wire	Coil Resistance ohms ±10% at 25°C	OPERATE PARAMETERS			
	Flange A	Flange B	Bracket C	Stud	Flange A	Stud		Coil Current mAdc Nom.	Pull-in mAdc Max.	Drop-out mAdc Max. Min.	
	-083	-104	-134	-114	-093	-124	20	90,0	45,0	22,5	4,5
	-084	-105	-135	-115	-094	-125	100	40,0	20,0	10,0	2,0
					-095		200	28,4	14,2	10,0	1,4
	-085	-106	-136	-116	-096	-126	500	18,0	9,0	4,5	0,9
	-086	-107	-137	-117	-097	-127	1000	13,0	6,5	3,1	0,65
	-087	-108	-138	-118	-098	-128	1500	11,0	5,2	2,6	0,52
	-088	-109	-139	-119	-099	-129	2000	9,0	4,5	2,2	0,50
	-089	-110	-140	-120	-100	-130	2500	8,0	4,0	2,0	0,40
	-090	-111	-141	-121	-101	-131	5000	6,0	2,8	1,4	0,30
	-091	-112	-142	-122	-102	-132	8000	5,0	2,3	1,1	0,23
	-092	-113	-143	-123	-103	-133	10000	4,0	2,0	1,0	0,20



How to Order (Part Numbering System)

Series: 2BC-7201

Dash number (see characteristics table): -041

Insulating pad (optional) See half crystal series: P

Note: Relays compliant to MIL-R-5757/13 are designated 2BC-7201 and applicable dash numbers coincide with N Hi-G Italia dash numbers