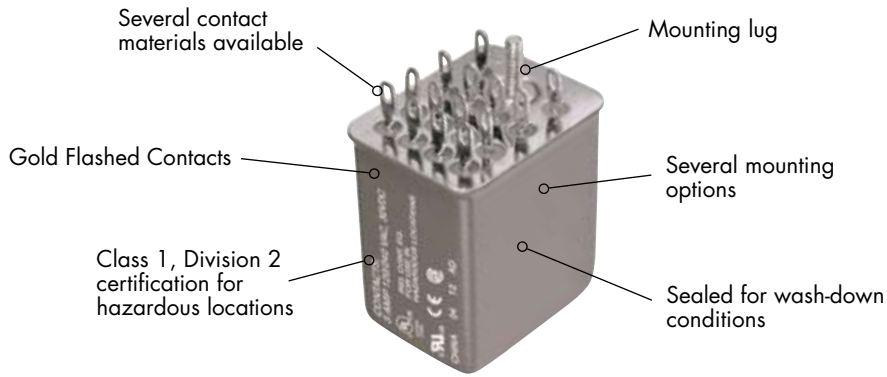
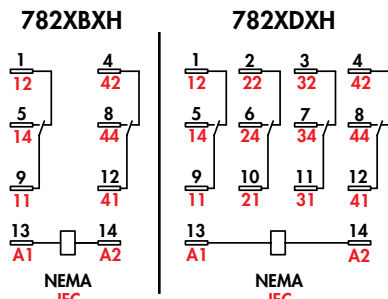


782H Hermetic Ice Cube Relays/DPDT, 4PDT, 1 - 5 Amp Rating (DC & AC)

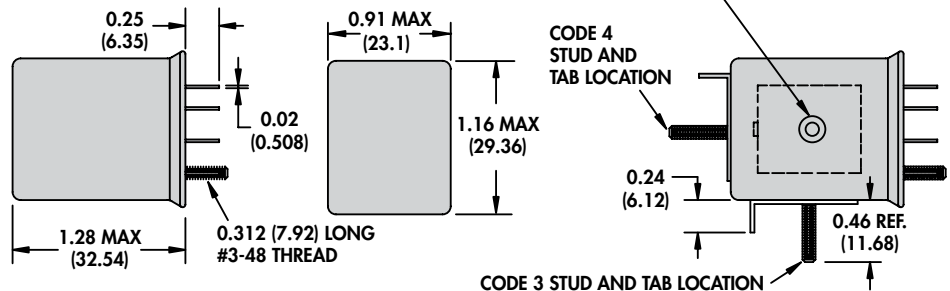


General Specifications		(UL 508)	782BHXH21, 782DXH21	782BHXH10, 782DXH10	782DXH32
Contact Characteristics			Standard	Low Level	Low Level
Number and type of Contacts		Units	DPDT, 4PDT	DPDT, 4PDT	4PDT
Contact materials			Silver Alloy	Fine Silver	Bifurcated
Thermal (Carrying) Current		A	5	3	1
Maximum Switching Voltage		V	300	300	300
Switching Current @ Voltage		~	Resistive	3A @ 120V 50/60Hz	1A @ 120V 50/60Hz
		~	Resistive	5A @ 240V 50/60Hz	3A @ 240V 50/60Hz
		~	Resistive	5A @ 30V	3A @ 30V
		~	HP		1/16 @ 120VAC
Minimum Switching Requirement		HP		1/10 @ 240VAC	
		mA	100 @ 5VDC (.5W)	10 @ 5VDC (.05W)	10 @ 5VDC (.05W)
Coil Characteristics					
Voltage Range		~	V	6...240, 50/60 Hz	6...240, 50/60 Hz
		~	V	6...125	6...125
Operating Range	% of Nominal	~		85% to 110%	85% to 110%
		~		80% to 110%	80% to 110%
Average consumption		~	VA	1.2	1.2
		~	W	0.9	0.9
Drop-out voltage threshold		~		15%	15%
		~		10%	10%
Performance Characteristics					
Electrical Life (UL508)	Operations @ Rated Current			100,000	100,000
Mechanical Life	Unpowered			10,000,000	10,000,000
Operating time (response time)			ms	20	20
Dielectric strength	Between coil and contact	~	Vrms	1240	1240
	Between poles	~	Vrms	1240	1240
	Between contacts	~	Vrms	500	500
Environment					
Product certifications	Standard version			UL, CSA, CE	UL, CSA, CE
Ambient air temperature around the device	Storage		°C	-40...+85	-40...+85
	Operation		°C	-40...+70	-40...+70
Vibration resistance	Operational		g-n	3, 10 - 55 Hz	3, 10 - 55 Hz
Shock resistance			g-n	10	10
Degree of protection				IP 67	IP 67
Weight			grams	45	45



Wiring Diagrams
Bottom View

782 HERMETIC MOUNTING OPTIONS



Standard Part Numbers

BOLD-FACED PART NUMBERS ARE NORMALLY STOCKED

782XBXH	Nominal Voltage	Resistance	Part number (Standard) 5 Amp	Part Number (Low Level) 3 Amp
AC Operated				
24 VAC 50/60 Hz		180 Ohms	782XBXH21-24A	782XBXH10-24A
120 VAC 50/60 Hz		4430 Ohms	782XBXH21-120A	782XBXH10-120A
240 VAC 50/60 Hz		15720 Ohms	782XBXH21-240A	782XBXH10-240A
DC Operated				
12 VDC		160 Ohms	782XBXH21-12D	782XBXH10-12D
24 VDC		650 Ohms	782XBXH21-24D	782XBXH10-24D
110-125 VDC		13800 Ohms	782XBXH21-110/125D	782XBXH10-110/125D

782DXDH	Nominal Voltage	Resistance	Part number (Standard) 5 Amp	Part Number (Low Level) 3 Amp	Part Number (Low Level) 1 Amp
AC Operated					
6 VAC 50/60 Hz		9.6 Ohms	782DXDH21-6A	782DXDH10-6A	782DXDH32-6A
12 VAC 50/60 Hz		46 Ohms	782DXDH21-12A	782DXDH10-12A	782DXDH32-12A
24 VAC 50/60 Hz		180 Ohms	782DXDH21-24A	782DXDH10-24A	782DXDH32-24A
120 VAC 50/60 Hz		4430 Ohms	782DXDH21-120A	782DXDH10-120A	782DXDH32-120A
220-240 VAC 50/60 Hz		15720 Ohms	782DXDH21-220/240A	782DXDH10-220/240A	782DXDH32-220/240A
DC Operated					
6 VDC		40 Ohms	782DXDH21-6D	782DXDH10-6D	782DXDH32-6D
12 VDC		160 Ohms	782DXDH21-12D	782DXDH10-12D	782DXDH32-12D
24 VDC		650 Ohms	782DXDH21-24D	782DXDH10-24D	782DXDH32-24D
48 VDC		2600 Ohms	782DXDH21-48D	782DXDH10-48D	782DXDH32-48D
110-125 VDC		13800 Ohms	782DXDH21-110/125D	782DXDH10-110/125D	782DXDH32-110/125D

Custom Relay Part Number Builder

782	XBH	H	21	2	240A
Series	Contact Configuration	Hermetic	Contact Code	Mounting Options	Coil Voltage
782	XBH = DPDT		3 Amp Fine Silver, Gold Diffused = 10	Solder/Plug-In = No Code	VAC = 6 - 240A
	XDH = 4PDT		5 Amp Silver Alloy = 21	Stud on Broad Side = 2	VDC = 6 - 125D
			1 Amp Bifurcated = 32	Stud on Narrow Side = 3	
			3 Amp Silver Alloy = 37	Stud on Top Side = 4	

For other mating sockets, see Section 2: 70-782EL14-1, 70-782E14-1, 70-461-1, 70-378-1, 70-379-1

