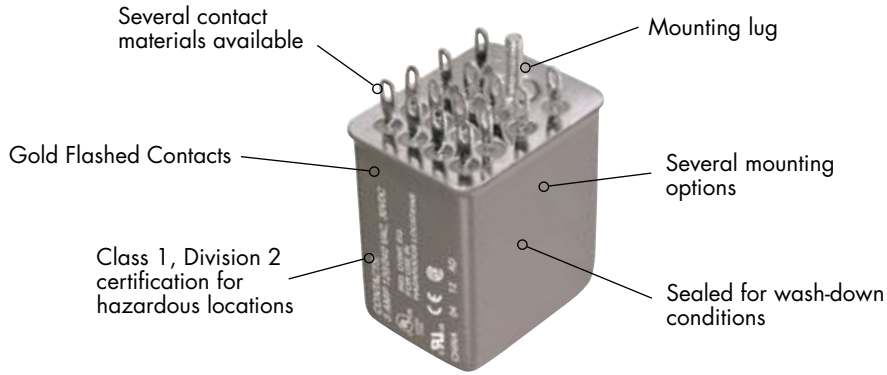


782H Hermetic Ice Cube Relays/DPDT, 4PDT, 1 - 5 Amp Rating (DC & AC)



General Specifications

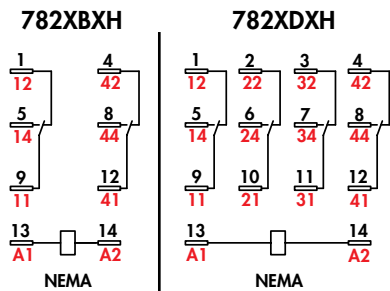
(UL 508)

782BXXH21,
782DXH21

782BXXH10,
782DXH10

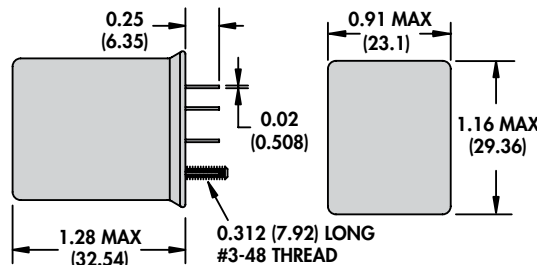
782DXH32

Contact Characteristics	Units	Standard	Low Level	Low Level
Number and type of Contacts		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 5A @ 120V 50/60Hz	3A @ 120V 50/60Hz	1A @ 120V 50/60Hz
	~	Resistive 5A @ 240V 50/60Hz	3A @ 240V 50/60Hz	1A @ 240V 50/60Hz
	~	Resistive 5A @ 30V	3A @ 30V	1A @ 30V
Minimum Switching Requirement	HP		1/16 @ 120VAC	
	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



OPTIONAL CODE 2
MOUNTING STUD WITH #6-32
THREAD AND ANTI-ROTATION TAB

CODE 4
STUD AND
TAB LOCATION

0.24
(6.12)

CODE 3 STUD AND TAB LOCATION

0.46 REF.
(11.68)

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

