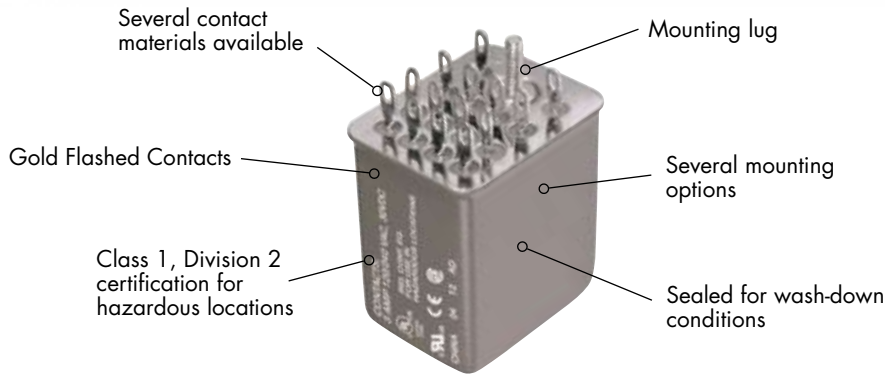




General Specifications

(UL 508)

**782BHXH21,
782DXH21**

**782BHXH10,
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
	HP		1/16 @ 120VAC	
	HP		1/10 @ 240VAC	
Minimum Switching Requirement	mA	100 @ 5VDC (.5W)	10 @ 5VDC (.05W)	10 @ 5VDC (.05W)

Coil Characteristics

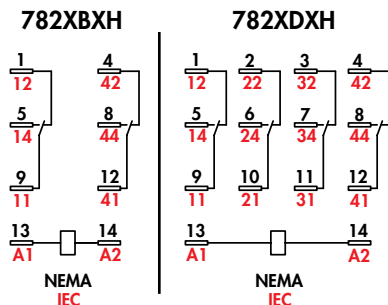
Voltage Range	~	V	6....240, 50/60 Hz	6....240, 50/60 Hz	6....240, 50/60 Hz
	~	V	6....125	6....125	6....125
Operating Range	% of Nominal	~	85% to 110%	85% to 110%	85% to 110%
	~	~	80% to 110%	80% to 110%	80% to 110%
Average consumption	~	VA	1.2	1.2	1.2
	~	W	0.9	0.9	0.9
Drop-out voltage threshold	~	~	15%	15%	15%
	~	~	10%	10%	10%

Performance Characteristics

Electrical Life (UL508)	Operations @ Rated Current		100,000	100,000	100,000
Mechanical Life	Unpowered		10,000,000	10,000,000	10,000,000
Operating time (response time)		ms	20	20	20
Dielectric strength	Between coil and contact	~	Vrms 1240	1240	1240
	Between poles	~	Vrms 1240	1240	1240
	Between contacts	~	Vrms 500	500	500

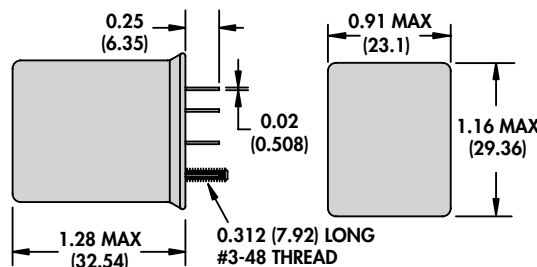
Environment

Product certifications	Standard version		UL, CSA, CE	UL, CSA, CE	UL, CSA, CE
Ambient air temperature	Storage	°C	-40...+85	-40...+85	-40...+85
around the device	Operation	°C	-40...+70	-40...+70	-40...+70
Vibration resistance	Operational	g-n	3, 10 - 55 Hz	3, 10 - 55 Hz	3, 10 - 55 Hz
Shock resistance		g-n	10	10	10
Degree of protection			IP 67	IP 67	IP 67
Weight		grams	45	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)

0.46 REF.
(11.68)

CODE 3 STUD AND TAB LOCATION

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: 70-782E14-1, 70-782E14-1, 70-461-1, 70-378-1, 70-379-1

