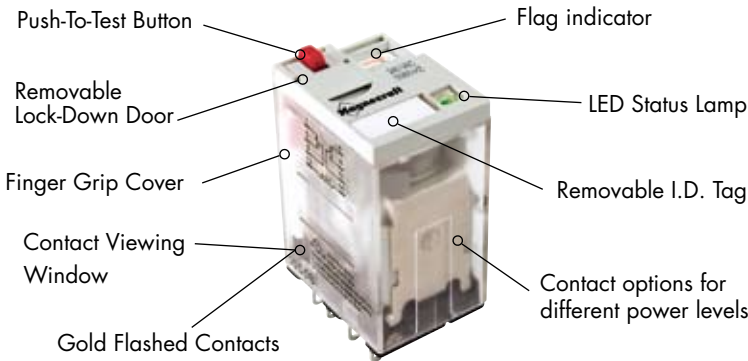
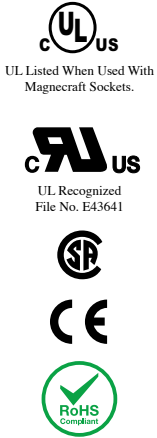
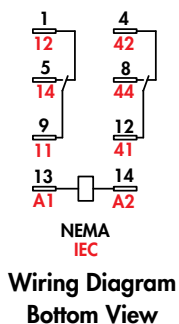


# 782 Ice Cube Relays/DPDT, 3-10 Amp Rating (DC & AC)

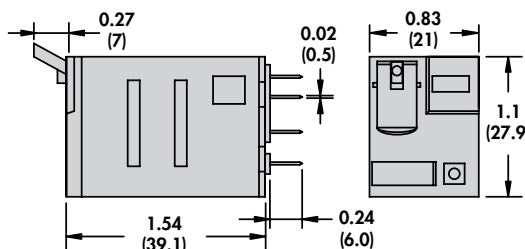


General Specifications		(UL 508)	782XBX1	782XBX2	782XBX3
<b>Contact Characteristics</b>		<b>Units</b>	<b>Low Level</b>	<b>Standard</b>	<b>Low Level</b>
Number and type of Contacts			DPDT	DPDT	DPDT
Contact materials			Fine Silver, Gold Diffused	Silver Alloy	Bifurcated
Thermal (Carrying) Current		A	3	10	3
Maximum Switching Voltage		V	240	300	240
Switching Current @ Voltage		~ Resistive	3A @120V 50/60Hz	10A @120V 50/60Hz	3A @120V 50/60Hz
		~ Resistive	3A @240V 50/60Hz	8A @277V 50/60Hz	3A @240V 50/60Hz
		≡ Resistive	3A @28V	8A @28V	3A @30V
		HP	1/10 @120VAC	1/3 @120VAC	1/16 @120VAC
		HP	1/10 @240 VAC	1 @277 VAC	
		Pilof Duty	C300	B300	
Minimum Switching Requirement		mA	3 @17VDC (.04W)	100 @5VDC (.5W)	3 @17VDC (.04W)
<b>Coil Characteristics</b>					
Voltage Range		~ V	6...240	6...240	6...240
		≡ V	6...125	6...125	6...125
Operating Range	% of Nominal		85% to 100%	85% to 100%	85% to 100%
			80% to 100%	80% to 100%	80% to 100%
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%
<b>Performance Characteristics</b>					
Electrical Life (UL508)	Operations @ Rated Current	(Resistive)	200,000	200,000	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	~ V(rms)	1500	1500	1500
	Between poles	~ V(rms)	1500	1500	1500
	Between contacts	~ V(rms)	1500	1500	1500
<b>Environment</b>					
Product certifications	Standard version		UL, CSA, CE	UL, CSA, CE	UL, CSA, CE
Ambient air temperature around the device	Storage	°C	-40...+85	-40...+85	-40...+85
	Operation	°C	-40...+55	-40...+55	-40...+55
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 40	IP 40	IP 40
Weight		grams	36	36	36

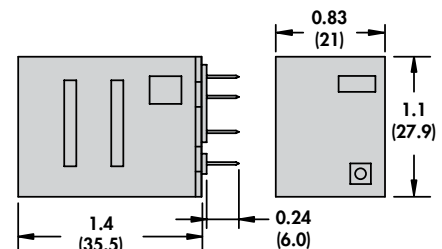
## 782XBX1, 2, 3



### Full Featured Dimensions



### Plain Cover Dimensions





Full Featured

**NEW**  
**NEW**  
**NEW**  
**NEW**  
**NEW**



Plain Cover

**Standard Part Numbers**

**BOLD-FACED PART NUMBERS ARE NORMALLY STOCKED**

Nominal Voltage	Coil Resistance	DPDT Part Number (Full Feature) 10 Amp	DPDT Part Number (Plain Cover) 10 Amp	DPDT Part Number (Full Feature) 3 Amp, Bifurcated
AC Operated				
6 VAC 50/60 Hz	9.6 Ohms	782XBX2M4L-6A	782XBX2C-6A	782XBX3M4L-6A
12 VAC 50/60 Hz	46 Ohms	782XBX2M4L-12A	782XBX2C-12A	782XBX3M4L-12A
24 VAC 50/60 Hz	180 Ohms	<b>782XBX2M4L-24A</b>	782XBX2C-24A	<b>782XBX3M4L-24A</b>
120 VAC 50/60 Hz	4430 Ohms	<b>782XBX2M4L-120A</b>	782XBX2C-120A	<b>782XBX3M4L-120A</b>
220-230 VAC 50/60 Hz	15000 Ohms	<b>782XBX2M4L-220/230A</b>	782XBX2C-220/230A	<b>782XBX3M4L-220/230A</b>
240 VAC 50/60 Hz	15720 Ohms	<b>782XBX2M4L-240A</b>	782XBX2C-240A	<b>782XBX3M4L-240A</b>
DC Operated				
6 VDC	40 Ohms	<b>782XBX2M4L-6D</b>	782XBX2C-6D	782XBX3M4L-6D
12 VDC	160 Ohms	<b>782XBX2M4L-12D</b>	782XBX2C-12D	<b>782XBX3M4L-12D</b>
24 VDC	650 Ohms	<b>782XBX2M4L-24D</b>	782XBX2C-24D	<b>782XBX3M4L-24D</b>
48 VDC	2600 Ohms	782XBX2M4L-48D	782XBX2C-48D	782XBX3M4L-48D
110-125 VDC	11000 Ohms	<b>782XBX2M4L-110/125D</b>	782XBX2C-110/125D	<b>782XBX3M4L-110/125D</b>

**Custom Relay Part Number Builder**

Series	Contact Config.	Contact Code	Cover Options	Terminal Style	Feature Options	Coil Voltage
782	XBX = DPDT	3 Amp Fine Silver, Gold Diffused = 1 10 Amp Silver Alloy = 2 3 Amp Bifurcated = 3	Full Feature = No Code Plain Cover = C	Plug In = No Code PC terminal = T	Side Push Button = M Locking Push Button = M4 Bi-Polar LED = L	VAC = 6 - 240A VDC = 6 - 125D

**Relay Adapters**



**16-782C1**

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**16-782C**

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