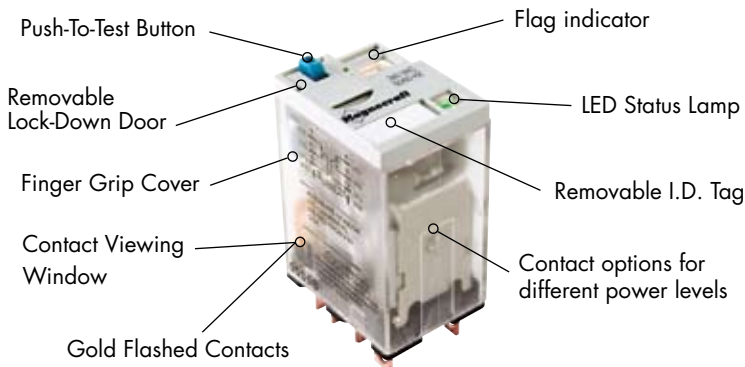
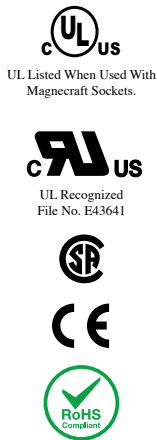


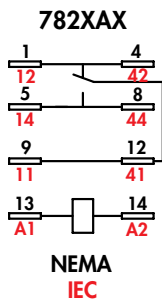
782 Ice Cube Relays/SPDT & DPDT, 15 Amp Rating



General Specifications

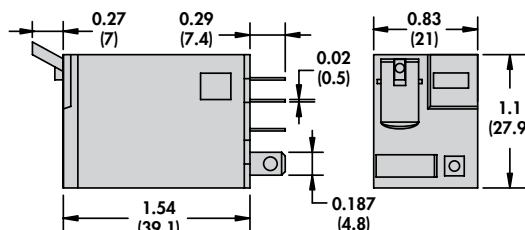
(UL 508)

Contact Characteristics		Units	782XAX	782XBX
Number and type of Contacts			SPDT	DPDT
Contact materials			Silver Alloy	Silver Alloy
Thermal (Carrying) Current		A	15	15
Maximum Switching Voltage		V	300	300
Switching Current @ Voltage	~	Resistive	20A @ 120V 50/60Hz	20A @ 120V 50/60Hz
	~	Resistive	20A @ 277V 50/60Hz	20A @ 277V 50/60Hz
	⋮	Resistive	20A @ 28V	20A @ 28V
	⋮	HP	1/2 @ 120VAC	1/2 @ 120VAC
Minimum Switching Requirement	⋮	HP	1 @ 250 VAC	1 @ 250 VAC
	⋮	Pilot Duty	B300	B300
	⋮	mA	100 @ 5VDC (.5W)	100 @ 5VDC (.5W)
Coil Characteristics				
Voltage Range	~	V	6...240	6...240
	⋮	V	6...125	6...125
Operating Range	~	% of Nominal	85% to 110%	85% to 110%
	⋮	% of Nominal	80% to 110%	80% to 110%
Average consumption	~	VA	1.2	1.2
	⋮	W	0.9	0.9
Drop-out voltage threshold	~	% of Nominal	15%	15%
	⋮	% of Nominal	10%	10%
Performance Characteristics				
Electrical Life (UL508)	Operations @ Rated Current	(Resistive)	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	~ V(rms)	2500	2500
	Between poles	~ V(rms)	1500	1500
	Between contacts	~ V(rms)	1500	1500
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...+55	-40...+55
Vibration resistance	Operational	g-n	3, 10 - 55 Hz	3, 10 - 55 Hz
Shock resistance		g-n	10	10
Degree of protection			IP 40	IP 40
Weight		grams	36	36

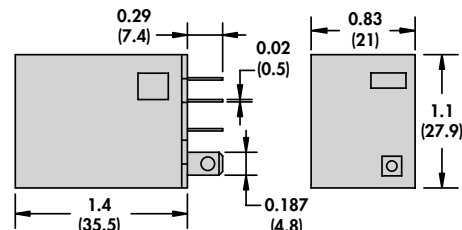


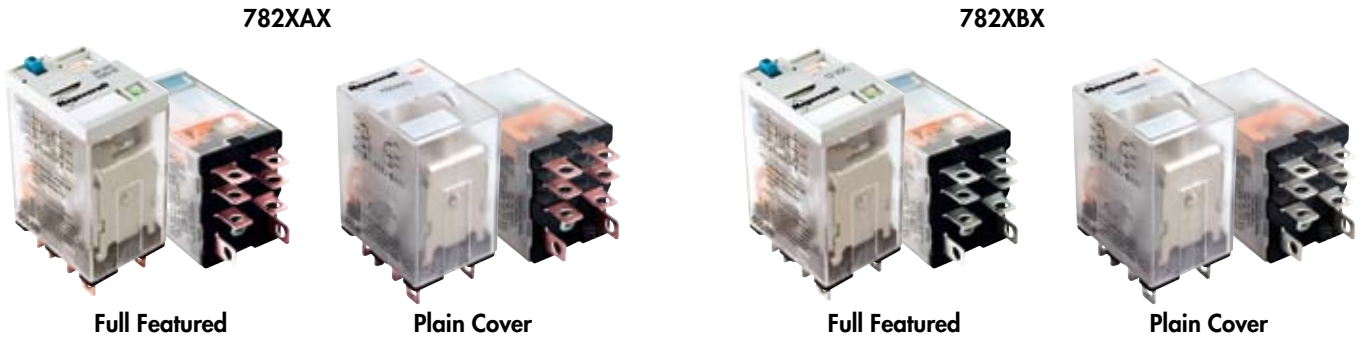
Wiring Diagram Bottom View

Full Featured Dimensions



Plain Cover Dimensions





Standard Part Numbers

BOLD-FACED PART NUMBERS ARE NORMALLY STOCKED

Nominal Voltage	Coil Resistance	SPDT Part Number (Full Feature) 20 Amp	SPDT Part Number (Plain Cover) 20 Amp	DPDT Part Number (Full Feature) 20 Amp	DPDT Part Number (Plain Cover) 20 Amp
AC Operated					
6 VAC 50/60 Hz	9.6 Ohms	782XAXM4L-6A	782XAXC-6A	782XBXM4L-6A	782XBXC-6A
12 VAC 50/60 Hz	46 Ohms	782XAXM4L-12A	782XAXC-12A	782XBXM4L-12A	782XBXC-12A
24 VAC 50/60 Hz	180 Ohms	782XAXM4L-24A	782XAXC-24A	782XBXM4L-24A	782XBXC-24A
120 VAC 50/60 Hz	4430 Ohms	782XAXM4L-120A	782XAXC-120A	782XBXM4L-120A	782XBXC-120A
220-230 VAC 50/60 Hz	15000 Ohms	782XAXM4L-220/230A	782XAXC-220/230A	782XBXM4L-220/230A	782XBXC-220/230A
240 VAC 50/60 Hz	15720 Ohms	782XAXM4L-240A	782XAXC-240A	782XBXM4L-240A	782XBXC-240A
DC Operated					
6 VDC	40 Ohms	782XAXM4L-6D	782XAXC-6D	782XBXM4L-6D	782XBXC-6D
12 VDC	160 Ohms	782XAXM4L-12D	782XAXC-12D	782XBXM4L-12D	782XBXC-12D
24 VDC	650 Ohms	782XAXM4L-24D	782XAXC-24D	782XBXM4L-24D	782XBXC-24D
48 VDC	2600 Ohms	782XAXM4L-48D	782XAXC-48D	782XBXM4L-48D	782XBXC-48D
110-125 VDC	11000 Ohms	782XAXM4L-110/125D	782XAXC-110/125D	782XBXM4L-110/125D	782XBXC-110/125D

Custom Relay Part Number Builder

Series	Contact Configuration	Cover Options	Terminal Style	Feature Options	Coil Voltage
782	XAX = SPDT XBX = DPDT	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

For other mating sockets, see Section 2: 70-459-1, 70-401-1, 70-402-1

