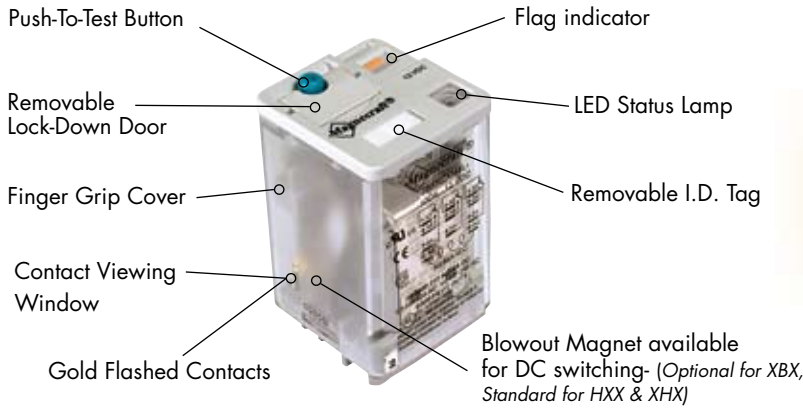
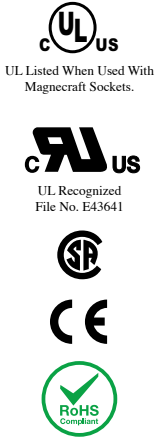


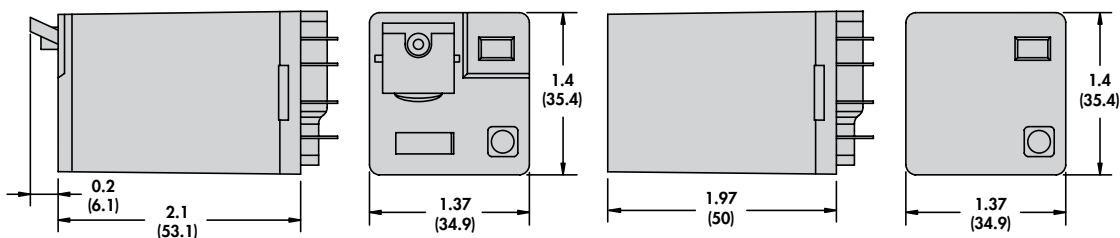
788 Power Relays/SPDT or DPDT, 16 Amp Rating (DC & AC)



General Specifications		(UL 508)	788XBX	788HXX69, 788XHX69
Contact Characteristics		Units	Standard	Standard
Number and type of Contacts			DPDT	SPST-NO-DM, SPDT-DM-DB
Contact materials			Silver Alloy	Silver Alloy
Thermal (Carrying) Current		A	16	16
Maximum Switching Voltage		V	300	300
Switching Current @ Voltage	~	Resistive	16A @ 277V 50/60Hz	16A @ 277V 50/60Hz
	~	Resistive	16A @ 120V 50/60Hz	16A @ 120V 50/60Hz
	≡	Resistive	16A @ 28V	16A @ 28V
		HP	1/3 @ 120VAC	1/3 @ 120VAC
		HP	1/2 @ 240 VAC	1/2 @ 240 VAC
		Pilot Duty	B300	B300
Current rating with magnetic blowout *(Optional for XBX, Standard for HXX & XHX)	≡	A	3 @ 150VDC*	10 @ 150VDC*
Minimum Switching Requirement		mA	100 @ 5VDC (.5W)	100 @ 5VDC (.5W)
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	3	3
	≡	W	1.4	1.4
Drop-out voltage threshold	~		15%	15%
	≡		10%	10%
Performance Characteristics				
Electrical Life (UL508)	Operations @ Rated Current	(Resistive)	100,000	100,000
Mechanical Life	Unpowered		5,000,000	5,000,000
Operating time (response time)		ms	20	20
Dielectric strength	Between coil and contact	~	Vrms	1500
	Between poles	~	Vrms	1500
	Between contacts	~	Vrms	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	88	88

Full Featured Dimensions

Plain Cover Dimensions





Full Featured



Plain Cover

Standard Part Numbers

BOLD-FACED PART NUMBERS ARE NORMALLY STOCKED

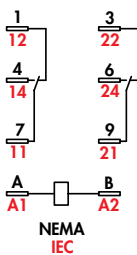
Nominal Voltage	Coil Resistance	DPDT Part Number (Full Feature) 16 Amp	DPDT Part Number (Plain Cover) 16 Amp
AC Operated			
6 VAC 50/60 Hz	4.2 Ohms	788BXM4L-6A	788BXC-6A
12 VAC 50/60 Hz	18 Ohms	788BXM4L-12A	788BXC-12A
24 VAC 50/60 Hz	72 Ohms	788BXM4L-24A	788BXC-24A
120 VAC 50/60 Hz	1700 Ohms	788BXM4L-120A	788BXC-120A
220-240 VAC 50/60 Hz	7200 Ohms	788BXM4L-220/240A	788BXC-220/240A
DC Operated			
6 VDC	32 Ohms	788BXM4L-6D	788BXC-6D
12 VDC	120 Ohms	788BXM4L-12D	788BXC-12D
24 VDC	470 Ohms	788BXM4L-24D	788BXC-24D
48 VDC	1800 Ohms	788BXM4L-48D	788BXC-48D
110-125 VDC	10000 Ohms	788BXM4L-110/125D	788BXC-110/125D

Custom Relay Part Number Builder

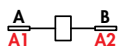
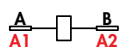
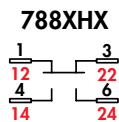
788	XBX	C	T	ML-	240A	
Series	Contact Configuration	DC Switching	Cover Options	Terminal Style	Feature Options	Coil Voltage
788	XBX = DPDT	Magnetic Blowout = 69	Full Feature = No Code	Plug In = No Code	Side Push Button = M	VAC = 6 -240A
	XHX = SPDT-DM-DB	(Optional for XBX,	Plain Cover = C	PC terminal = T	Locking Push Button = M4	VDC = 6 -125D
	HXX = SPST-NO-DM	Standard for HXX & XHX)			Bi-Polar LED = L	

For other mating sockets, see Section 2: 70-463-1, 70-124-1, 70-124-2, 70-178-1, 70-178-2

788XBX



**Wiring Diagrams
Bottom View**



**16-1351
Metal Hold-Down Clip**
Section 3, p.8-11

