

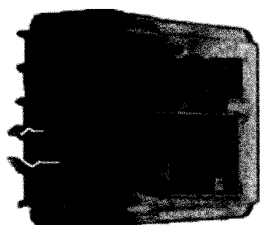
300 VOLT GENERAL PURPOSE PLUG-IN RELAY

SERIES
219

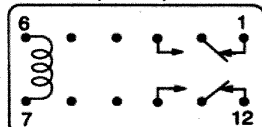
7

RELAYS

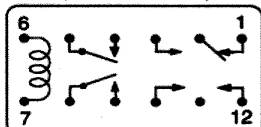
THE SERIES 219 GENERAL PURPOSE INDUSTRIAL PLUG-IN RELAYS FEATURE 12 PIN AND 14 PIN BASES. THE COIL IS ENCAPSULATED FOR PROTECTION. NUCLEAR QUALIFIED VERSIONS ARE AVAILABLE.



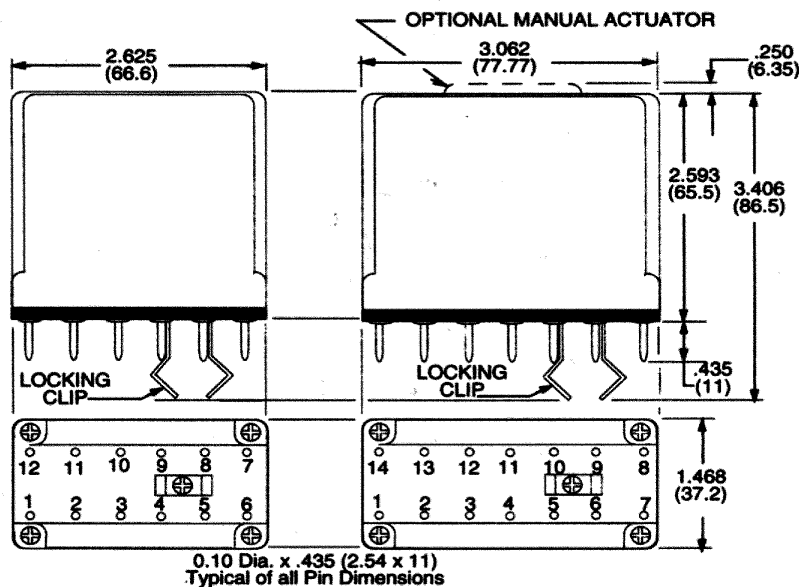
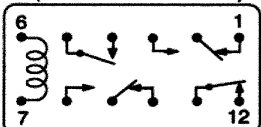
219XBBXP
(DPDT)



219BBXP
(DPDT + 2 N.O.)



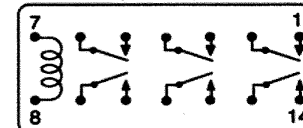
219ABAP
(DPDT + 1 NO & 1 NC)



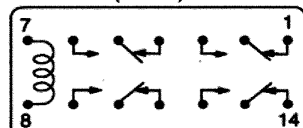
MODELS AVAILABLE

12 PIN	CONTACTS	14 PIN	CONTACTS
219BBXP	DPDT + 2 NO	219XDXP	4PDT
219XBBXP	DPDT	219FXXP	6P-NO
219ABAP	DPDT + 1 NO & 1 NC	219DXBP	4P-NO + 2P-NC

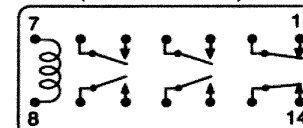
219FXXP
(6P-NO)



219XDXP
(4PDT)



219DXBP
(4P-NO + 2P-NC)



COIL		GENERAL SPECIFICATIONS	
Pull-in, min. AC		85% of Nominal Voltage	
Pull-in min. DC		80% of Nominal Voltage	
Overvoltage, max.		110% of nominal, voltage	
CONTACTS		Contact Material:	
		Silver Cadmium Oxide, Gold diffused (Standard)	
TIMING		Operate Time:	
		Release Time:	
		25 mS Max. @ Nominal Voltage.	
		20 mS Max. @ Nominal Voltage.	
DIELECTRIC STRENGTH		All Mutually insulated Points:	
		Insulation:	
		1500 V rms	
		1/4" over surface, 1/8" thru Air	
TEMPERATURE		Rated Operation:	
		-10°C to +60°C	
LIFE EXPECTANCY		Mechanical:	
		Electrical:	
		10 Million Operations no load	
		100,000 Operations @ Rated Load.	
MISCELLANEOUS		Enclosure:	
		Clear polycarbonate.	

COIL SPECIFICATIONS @ 25°C

AC RELAYS 50/60 HZ (COIL DATA @ 60HZ Voltage)					DC RELAYS, 1.8 WATTS (2.5 W @ 125VDC)			
Nominal Voltage	Resistance Ohms ± 10%	Milliamperes Open	Milliamperes Closed	Impedance Ohms	Nominal Voltage	Resistance Ohms ± 10%	Milliamperes Cold	Milliamperes Hot
6	1.1	1500	840	7.2	6	15.5	385	304
12	4.2	750	410	27	12	63.5	189	147
24	15.5	375	200	120	24 (28)*	250	96	77
120	540	75	40	2700	32	375	86	62
240	2100	32	17	13,400	115/125*	6200	20	16

* Note: Stock 24 Vdc and 115 Vac relays have nameplates stamped 24-28 and 115-125 Vdc respectively. These relays operate at 80% of the lower voltages and operate within allowable temperature rises at higher voltages. 250 Vdc - Use 125 Vdc relay and series resistor (6000 Ω, 5 W) not supplied.

CONTACT RATINGS

VOLTS	MAKE	CARRY	BREAK	
			RESISTIVE	INDUCTIVE
24 VDC	30A	10A	10A	10A
120 VAC	30A	10A	10A	3A
240 VAC	30A	10A	5A	1A
28 VDC	30A	10A	10A	3A
125 VDC	30A	10A	0.5A	0.1A
125 VDC * SM	30A	10A	1.5A	0.5A
125 VDC * SM	30A	10A	4A	1.5A
125 VDC * SM	30A	10A	0.5A	150 mA
125 VDC * SM	30A	10A	1.5A	0.5A

Relays with Code 69 feature

OPTIONS

ORDERING CODE

Typical Type No. **219 XBX P L-24D**

Series

219 Industrial plug-in style

Contact Arrangements

XBX (2 Form "C")

ABa (DPDT + 1 Pole-NO & 1 Pole NC)

BBX (2 Pole-NO & DPDT)

XDX (4 PDT)

FXX (6 Pole-NO)

DXB (4 Pole-NO & 2 Pole-NC)

Standard Features

Polycarbonate Cover- CODE "P"

Optional Features

Indicator Lamp - CODE "L"

Manual Actuator- CODE "M"

130°C Coil - CODE "U"

Bifurcated Contacts - CODE "33"

Perm. Magnet Blowout- CODE "69"

Coil Voltage

AC: 6, 12, 24, 120, 240 (Add "A")

DC: 6, 12, (24-28), 32, 115/125 (Add "D")

Coil Voltages & Frequencies must be specified.