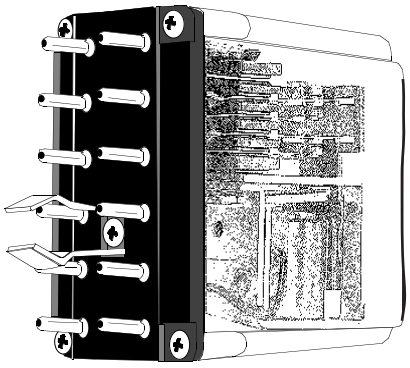
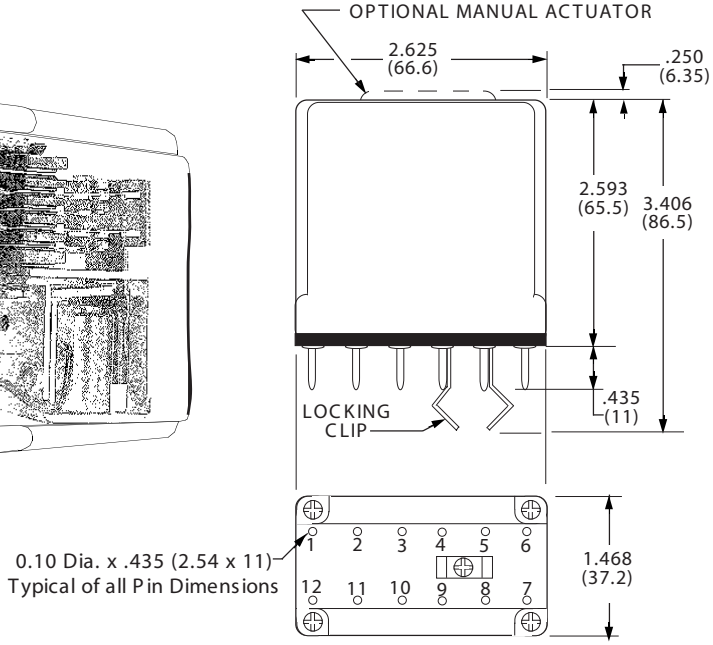
2, 4 OR 6 POLE, 10 AMP INDUSTRIAL RELAY

CLASS 219 INDUSTRIAL PLUG-IN RELAYS OFFER A WIDE VARITY OF CONTACT CONFIGURATIONS ON 12 PIN AND 14 PIN BASES. THE COIL IS ENCAPSULATED FOR PROTECTION.

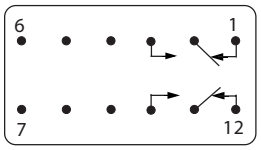
UL Recognized
File No. E13224



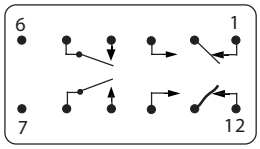


WIRING DIAGRAMS
BOTTOM VIEW

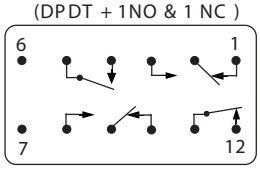
219XBXP
(DPDT)



219BBXP
(DPDT + 2 N.O.)



219ABAP
(DPDT + 1NO & 1 NC)

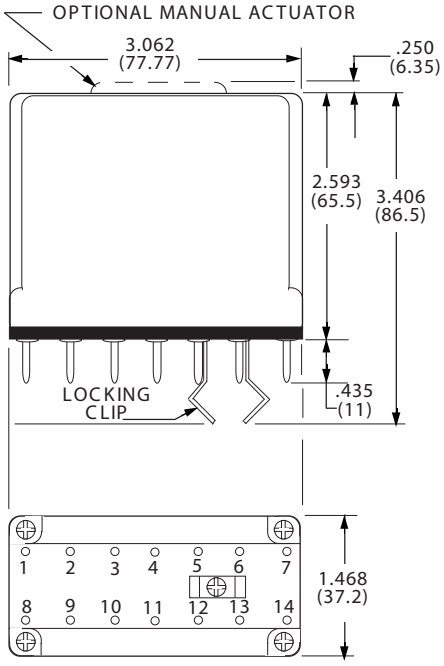


COMMONLY AVAILABLE MODELS

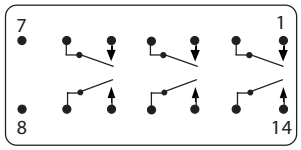
12 PIN	CONTACTS	14 PIN	CONTACTS
219BBXP	DPDT + 2 NO	219XDXP	4PDT
219XBXP	DPDT	219FXXP	6P-NO
219ABAP	DPDT + 1 NO & 1 NC	219DXBP	4P-NO + 2P-NC

Make before break and other Contact configurations available limited only by the number of terminal pins.

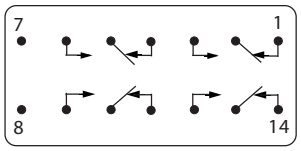
NUCLEAR QUALIFIED VERSIONS AVAILABLE



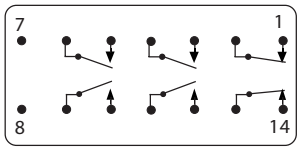
219FXXP
(6P-NO)



219XDXP
(4PDT)



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



2, 4 OR 6 POLE, 10 AMP INDUSTRIAL RELAY

CLASS 219

219 GENERAL SPECIFICATIONS (@ 25 °C)

COIL	
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 Alloy, Gold diffused (Standard)
TIMING	
Operate Time:	25 mS Max. @ Nominal Voltage.
Release Time:	20 mS Max. @ Nominal Voltage.
DIELECTRIC STRENGTH	
All Mutually Insulated Points:	1500 V rms
Insulation :	1/4" over surface, 1/8" thru Air
TEMPERATURE	
Rated Operation:	-10 °C to +60 °C
LIFE EXPECTANCY	
Mechanical:	10 Million Operations no load
Electrical:	100,000 Operations @ Rated Load.
MISCELLANEOUS	
Enclosure:	Clear polycarbonate.
Operating Position:	Vertical, Contacts Up
Weight:	8.5 oz. (241 g) approx.

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		Impedance Ohms	Nominal Voltage	Resistance Ohms ± 10%	Milliamperes	
		Cold	Hot				Cold	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
For versions with suffix "69" Permanent Magnet Blowouts				
125 VDC SM	30A	10A	1.5A	0.5A
125 VDC DM	30A	10A	4A	1.5A
250 VDC SM	30A	10A	0.5A	150 mA
250 VDC DM	30A	10A	1.5A	0.5A

STRUTHERS-DUNN

ORDERING CODE

Typical Type No. 219 XBX P L -24D

Series
- 219 Industrial plug-in style

Contact Arrangements
- XBX (DPDT)
- 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"
- 130Ω 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.

MATING SOCKETS
27390D - 12 PIN
33377D - 14 PIN