

246/247 Series - Time Delay Relays

Up to 4PDT or 6PST, 10 Amp



E13224



LISTED

with socket

Rugged, industrial time delay versions of the popular 219 series. Contacts can be configured up to four pole double throw or six pole single throw. Blow out magnets can be added to increase DC switching capacity. Time ranges are adjustable over a 1:10 range. Knob adjustment and integral hold down clip are standard. A large option list makes this product easily customized for special applications.

GENERAL SPECIFICATIONS (@ 25° C)

Timing:

Functions Available	On-delay, Off-delay
Time Range	Up to 10 minutes
Timing Adjustment	Knob
Timing Repeatability (Constant voltage and temperature)	3%
Reset Time maximum	150mS
Input Pulse Length minimum	50mS

Contacts:

Contact Configuration	Up to 4PDT or 6PST
Contact Material	Silver Alloy Gold Diffused
Contact Rating	
120 / 240VAC Resistive	10 Amp / 5 Amp
28VDC Resistive	10 Amp
Contact Resistance, Initial	50 milliohms max @ 6VDC

Coil:

Coils Available	AC and DC
Nominal Coil Power	5VA 2.5W
Input Voltage Tolerance - AC	85% to 110% of nominal
Input Voltage Tolerance - DC	80% to 110% of nominal
Transient Protection	Yes
Reverse Polarity Protection	Yes
Duty	Continuous

Dielectric Strength:

Across Open Contacts	500Vrms
Between Mutually Insulated Points	1500Vrms
Insulation Resistance	1,000 Mohms min @ 500VDC

Temperature:

Operating	-20 to 70°C (-4 to 158°F)
Storage	-40 to 105°C (-40 to 221°F)

Life Expectancy:

Electrical (full load operations)	100,000
Mechanical (no load operations)	10,000,000

Miscellaneous:

Mounting Position	Any
Mating Socket	12 pin = 27390, 27390D 14 pin = 33377, 33377D
Accessories	Hold down clip integral to relay
Enclosure	Clear Polycarbonate
Weight (Approximately)	8.6oz (244 grams)



Industrial Pin Out

UL Contact Load Ratings

Contact Configuration	Current / HP	Load Voltage	Load Frequency	Type of Load
All Styles EXCEPT Code 33	10 Amp	120 VAC	50/60Hz	Resistive
	5 Amp	240 VAC	50/60Hz	Resistive
	10 Amp	28 VDC	DC	Resistive
	0.5 Amp	125 VDC	DC	Resistive
	1/6HP	120 VAC	50/60Hz	Motor
	1/3HP	240 VAC	50/60Hz	Motor
Code 33	5 Amp	120 VAC	50/60Hz	General Purpose
	2.5 Amp	240 VAC	50/60Hz	General Purpose

Additional UL Contact Ratings for Code "69" relays incorporating a blowout magnet.

Contact Configuration	Current / HP	Load Voltage	Load Frequency	Type of Load
All Styles EXCEPT Code 33	3 Amp	125 VDC	DC	Resistive
	1 Amp	250 VDC	DC	Resistive

Note: SM = Single make
DM = Double make



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