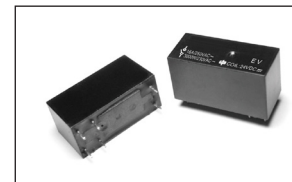


FEATURES

- HIGH SWITCHING CURRENT 16A IN SMALL SIZE
- 1 NO CONTACT WITH TUNGSTEN PRE-MAKE CONTACT
- 5,000VAC DIELECTRIC STRENGTH
- 1 POLE 16A, 1 NO CONTACT (W PRE-MAKE CONTACT + AgSnO2)
165 A /20ms INRUSH PEAK CURRENT
- RoHS AND REACH COMPLIANT
- UL FILE NUMBER E513045



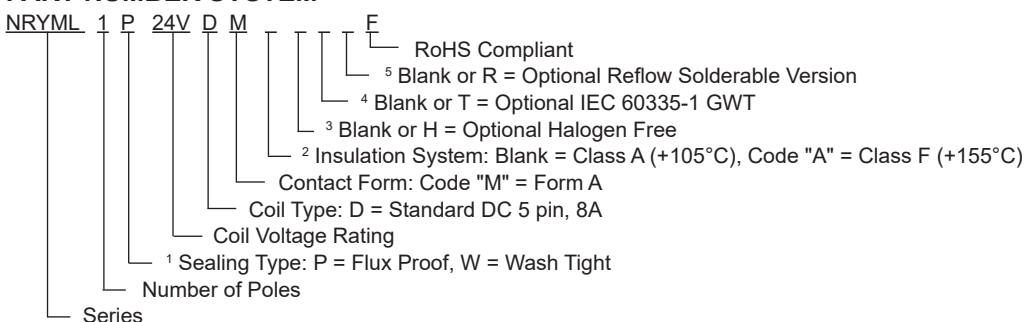
*See Part Number System for Details



CHARACTERISTICS

Type	SPST
Rated Load (Resistive)	16A 277VAC
Contact Capacity	Tungsten Load: 3000W/230VAC
Rated Carrying Current	16A
Allowable Voltage (Max.)	AC 400V
Allowable Current (Max.)	16A
Allowable Power (Max.)	4,000VA
Operation	Single Pole, Single Throw
Contact Material	R (Main) : Ag Alloy, L (Pre-make) : W

PART NUMBER SYSTEM



OVERALL DIMENSIONS (mm): 29.0 x 12.6 x 15.7 (see page 3 for complete component dimensions)

INITIAL PERFORMANCE SPECIFICATIONS

Item	Performance
Contact Resistance	100mΩ Max.@1A,6VDC
Operate Time	10mSec. Max.
Release Time	5mSec. Max.
Dielectric Strength	Between Coil and Contact - 5,000VAC 50Hz/60Hz for 1 minute
	Between Contacts - 1,000VAC 50Hz/60Hz for 1 minute
Surge Strength	10,000V (between coil and contact 1.2x50μSec.)
Insulation Resistance	100MΩ min. at 500VDC
Max. On/Off Switching	Electrical - 6 cycles per minute
	Mechanical - 300 cycles per minute
Temperature Range	-40°C ~ +85°C
Humidity Range	45% ~ 85% Relative Humidity
Coil Temperature Rise	+45°C max.
Vibration	Destruction - 10 to 55 to 10 Hz, 0.75 mm single amplitude (1.5mm double amplitude)
	Malfunction - 10 to 55 to 10 Hz, 0.75 mm single amplitude (1.5mm double amplitude)
Shock	Destruction - 1,000mS ²
	Malfunction - 100mS ²
Life Expectancy	Electrical - 6x10 ⁴ Operations at Rated Resistive Load 3x10 ⁴ Operations at Tungsten load
	Mechanical - 5x10 ⁶ Operations at no load condition
Component Weight	12.5g

COIL SPECIFICATIONS AT +20°C

(FLUX PROOF, FORM A, W PRE-MAKE CONTACT + AgSnO₂, STANDARD INSULATION)

Part Number	Coil Voltage	Coil Voltage Code	Nominal Current (mA)	Coil Resistance (Ω ±10%)	Power Consumption Coil Sensitivity	Pull-In Voltage	Drop-Out Voltage	Maximum Allowable Voltage
			DC Coil					
NRVML1P5VDMF	5	5V	80	63	0.40	75% max.	10% min.	130%
NRVML1P6VDMF	6	6V	67	90				
NRVML1P12VDMF	12	12V	33	360				
NRVML1P24VDMF	24	24V	17	1440				
NRVML1P48VDMF	48	48V	8	5760				
NRVML1P60VDMF	60	60V	7	9000				

* See part numbering system for available options and appropriate code.

COIL SPECIFICATIONS AT +20°C

(WASH TIGHT, FORM A, W PRE-MAKE CONTACT + AgSnO₂, STANDARD INSULATION)

Part Number	Coil Voltage	Coil Voltage Code	Nominal Current (mA)	Coil Resistance (Ω ±10%)	Power Consumption Coil Sensitivity	Pull-In Voltage	Drop-Out Voltage	Maximum Allowable Voltage
			DC Coil					
NRVML1W5VDMF	5	5V	80	63	0.40	75% max.	10% min.	130%
NRVML1W6VDMF	6	6V	67	90				
NRVML1W12VDMF	12	12V	33	360				
NRVML1W24VDMF	24	24V	17	1440				
NRVML1W48VDMF	48	48V	8	5760				
NRVML1W60VDMF	60	60V	7	9000				

* See part numbering system for available options and appropriate code.

COIL SPECIFICATIONS AT +20°C

(FLUX PROOF, FORM A, W PRE-MAKE CONTACT + AgSnO₂, F CLASS INSULATION)

Part Number	Coil Voltage	Coil Voltage Code	Nominal Current (mA)	Coil Resistance (Ω ±10%)	Power Consumption Coil Sensitivity	Pull-In Voltage	Drop-Out Voltage	Maximum Allowable Voltage
			DC Coil					
NRVML1P5VDMAF	5	5V	80	63	0.40	75% max.	10% min.	130%
NRVML1P6VDMAF	6	6V	67	90				
NRVML1P12VDMAF	12	12V	33	360				
NRVML1P24VDMAF	24	24V	17	1440				
NRVML1P48VDMAF	48	48V	8	5760				
NRVML1P60VDMAF	60	60V	7	9000				

* See part numbering system for available options and appropriate code.

COIL SPECIFICATIONS AT +20°C

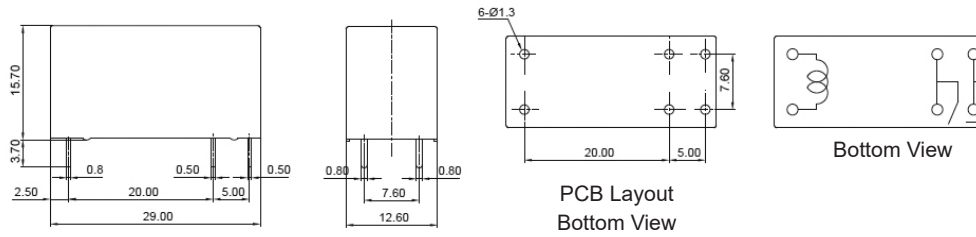
(WASH TIGHT, FORM A, W PRE-MAKE CONTACT + AgSnO₂, F CLASS INSULATION)

Part Number	Coil Voltage	Coil Voltage Code	Nominal Current (mA)	Coil Resistance (Ω ±10%)	Power Consumption Coil Sensitivity	Pull-In Voltage	Drop-Out Voltage	Maximum Allowable Voltage
			DC Coil					
NRVML1W5VDMAF	5	5V	80	63	0.40	75% max.	10% min.	130%
NRVML1W6VDMAF	6	6V	67	90				
NRVML1W12VDMAF	12	12V	33	360				
NRVML1W24VDMAF	24	24V	17	1440				
NRVML1W48VDMAF	48	48V	8	5760				
NRVML1W60VDMAF	60	60V	7	9000				

* See part numbering system for available options and appropriate code.



DIMENSIONS (mm)



Note: Dimension tolerances are $\pm 0.2\text{mm}$ for items $\leq 5\text{mm}$ and $\pm 0.3\text{mm}$ for items $> 5\text{mm}$. Tolerance of PCB holes is $\pm 0.1\text{mm}$.

TUBE PACKAGING

Package Quantities	
Parts Per Tube	25
Tubes Per Box	40
Parts Per Box	1,000