



AC 3762 III



R111D

SUBMINIATURE SERIES POWER RELAY

000921

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FEATURES

- 10A continuous contact capacity
- 2 KV dielectric strength between coil and contacts
- Standard and high sensitive type for choice

TYPICAL APPLICATIONS

- Electric rice cooker
- Hi-Fi
- Home appliances
- Air conditioners

CONTACT RATING

Form	1 Form A (H), 1 Form C (Z)
Resistive	10A, 120VAC/24VDC

CONTACT DATA

Material	AgCdO (see ordering designation)	
Initial Contact Resistance	100 mΩ max. at 0.1A, 6VDC	
Service Life	Mechanical	10 ⁷ ops.
	Electrical	10 ⁵ ops.

UL/CSA RATING

Form	1 Form A (H), 1 Form C (Z)
Resistive	10A, 120VAC/24VDC

COIL DATA

Coil Voltage Code	Nominal Voltage (VDC)	Resistance (Ω) ±10%		Must Operate Voltage max. (VDC)	Must Release Voltage min. (VDC)
		Power Consumption			
		Standard (Nil)	Sensitive (H)		
003	3	20	27	2.25	0.3
005	5	56	80	3.75	0.5
006	6	80	110	4.50	0.6
009	9	180	250	6.75	0.9
012	12	320	440	9.00	1.2
024	24	1280	1780	18.00	2.4
048	48	3800	5220	36.00	4.8

CHARACTERISTICS

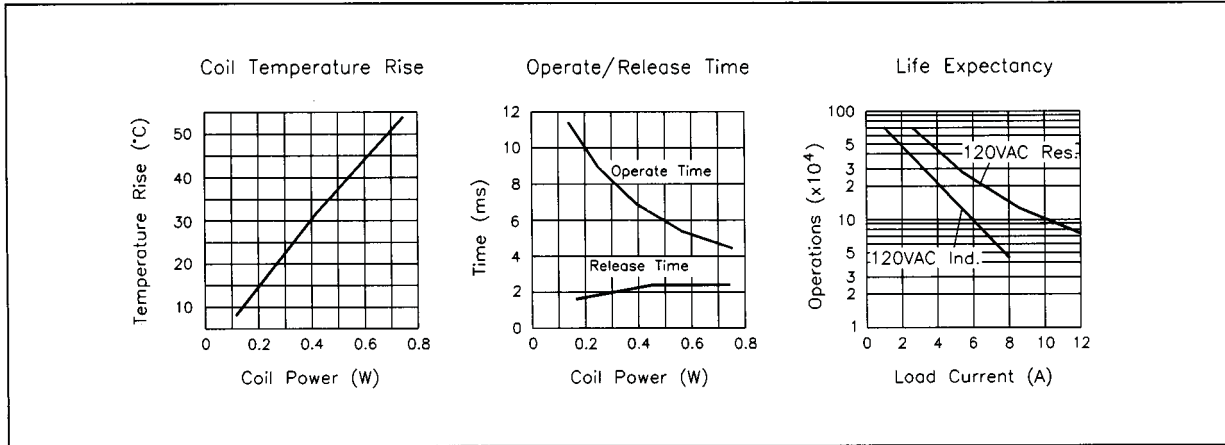
Operate Time	8 ms. max.
Release Time	4 ms. max.
Insulation Resistance	1000 MΩ, at 500 VDC, 50%RH
Dielectric Strength	2000 Vrms, 1 min. between coil and contacts 750 Vrms, 1 min. between open contacts
Shock Resistance	10 g, 11ms. functional; 100g, destructive
Vibration Resistance	DA 1.5mm, 10 - 55 Hz, functional
Ambient Temperature	-30°C to 70°C
Weight	10 g, approx.

ORDERING DESIGNATION

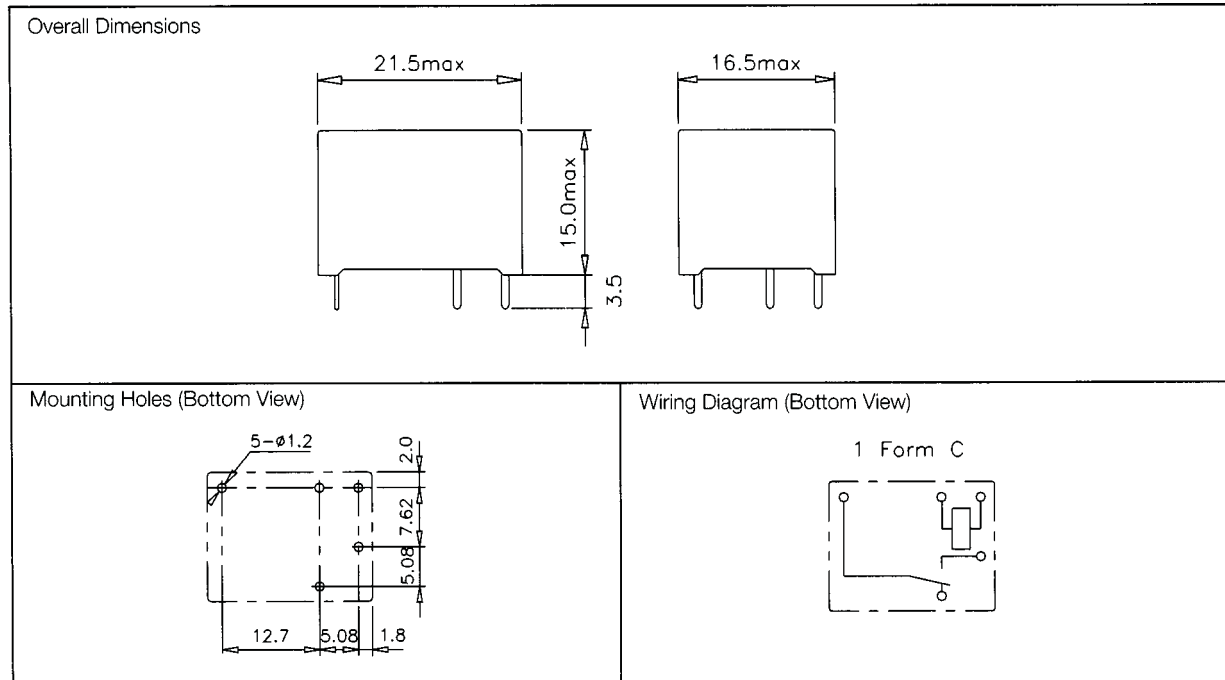
Example: R111D/012Z1R

R111	D	012	Z	1	R	H
Model	Coil type	Coil Voltage	Contact Form	Version	Contact rating	Coil sensitive
R111=Gen. Appl.	D=DC	003=3.0V 005=5.0V 006=6.0V 009=9.0V 012=12V 024=24V 048=48V	H=1A Z=1C	1=SEALED 3=FLUX FREE	A=AgNi0.15 R=AgCdO F=AgSn0InO	(Nil)=standard H=High

REFERENCE CURVES



OVERALL DIMENSIONS, MOUNTING HOLES AND WIRING DIAGRAM (mm)



NOTES

1. All parameters, unless otherwise specified, are measured at ambient temperature 23°C.
2. Custom-made services available with operational quantity. Please let us know your special requirements.
3. Specifications subject to change without prior notice.