REBM210
Military Specified
Meets MIL-PRF-83726

▓ General Characteristics

Number of Poles:	2 Form C (2PDT)
Dimensions:	1.025" x 1.025" x 1.010"
	(26.0mm x 26.0mm x 25.7mm)
Weight:	0.13 lb. (59 grams)

▓ Switching Characteristics

Timing Action

Sheet 28:	Delay on Operate, Fixed
Sheet 29:	Delay on Release, Fixed
Sheet 30:	Delay on Operate, Adjustable w/ ext. resistor
Sheet 31:	Delay on Release, Adjustable w/ ext. resistor
Time Delay:	Select from 0.1 to 500 seconds
Timing Accuracy:	±10%, add ±10 ms for timing less than 1 sec.
Recycle Time:	50 ms Max.
Mechanical Life:	400,000 Cycles

▓ Environmental Characteristics

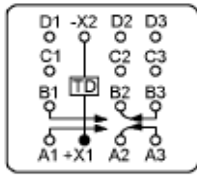|	
Temperature Range:	-55°C to +125°C
Vibration (Sinusoidal):	30g, 10-3,000 Hz
Shock (any axis):	100g, 6 ms
Seal:	Hermetic (1x10^{-8} atm cm^3/s)

▓ Electrical Characteristics

Contact Voltage Drop (at rated resistive load)

-Initial:	150 mV Max.
-After Guaranteed Life:	175 mV Max.

Dielectric Strength, Initial @ 60 Hz

Coil to Case @ Sea Level:	1,000 Vrms
All Other Points @ Sea Level:	1,000 Vrms

Insulation Resistance

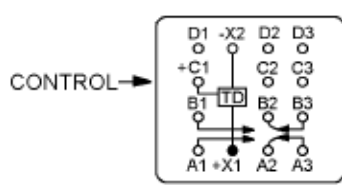|	
-Initial:	1,000 MΩ Min, @ 500 Vdc
Back EMF (Transient Voltage):	50 Vdc Max.
Input Voltage Range:	20 – 30 Vdc
Operating Current (X1 – X2):	150 mA Max. @ 25°C
Control Voltage (Sheets 29 and 31 only):	20 – 30 Vdc
Control Current (Sheets 29 and 31 only):	15 mA Max. @ 25°C

▓ Contact Rating (Amps)

Type of Load (High Level)	Cycles x 10^3	28 Vdc	115 Vac 400 Hz 1 Phase
Resistive	100	10	10
Inductive	20	8	8
Motor	100	4	4
Lamp	100	2	2

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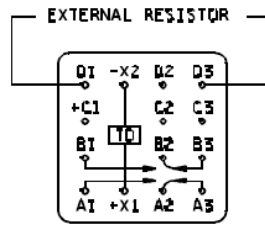*(631) 342-1700*

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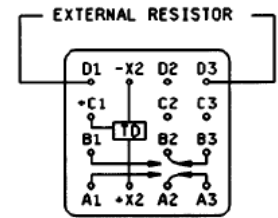*Page 1/4*

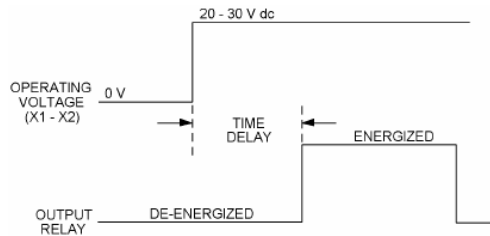## Circuit Diagram

Sheet 28:
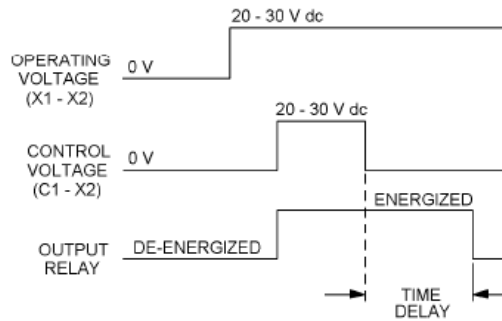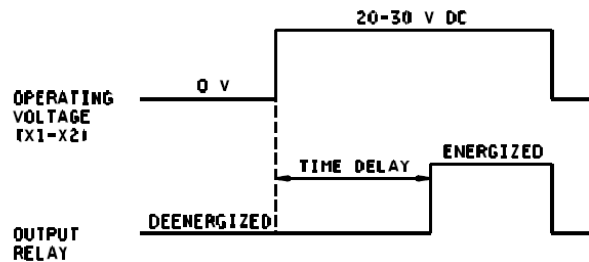REBM210A

Sheet 29:
REBM210J

Sheet 30:
REBM210B
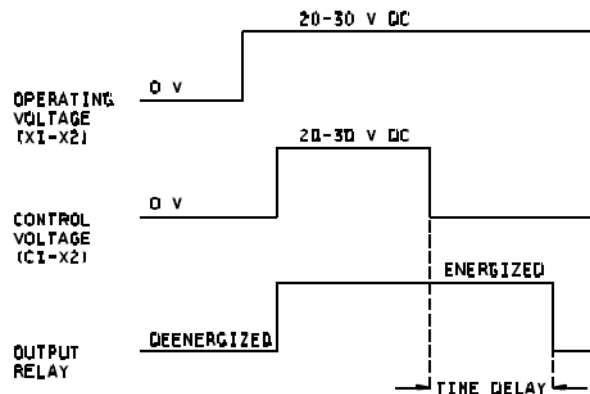
Sheet 31:
REBM210L
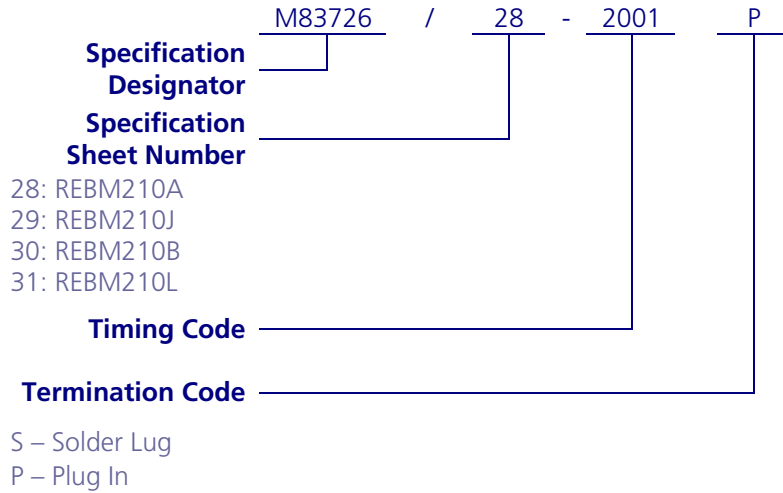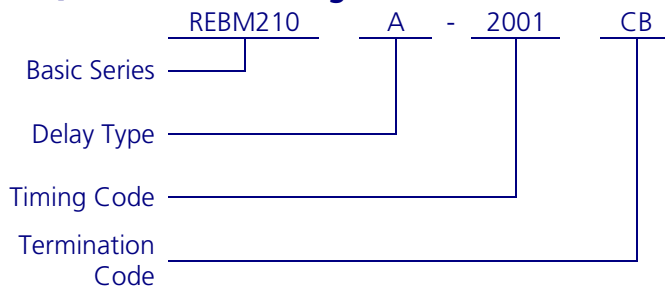
Timing Diagram

Sheet 28:
REBM210A

Sheet 29:
REBM210J

Sheet 30:
REBM210B

Sheet 31:
REBM210L

Military Part Numbering

M83726 / 28 - 2001 P

Specification Designator

Specification Sheet Number

28: REBM210A
29: REBM210J
30: REBM210B
31: REBM210L

Timing Code

Termination Code

S – Solder Lug
P – Plug In

QPL Part Numbering

REBM210 A - 2001 CB

Basic Series

Delay Type

Timing Code

Termination Code

Timing Code

The first three digits are significant; the fourth is the number of zeros to follow the first three digits. The time is expressed in milliseconds and converted to seconds. (See examples)

Examples:
M83726/28-1001P = 100 ms x 10 = 1000 ms = 1 second

M83726/28-9002S = 900 ms x 100 = 90000 ms = 90 seconds

External Resistor

Only applicable for REBM210B and REBM210L

$R_{EXT} = ((T_1/T_0) - 1) *100k$

Where:

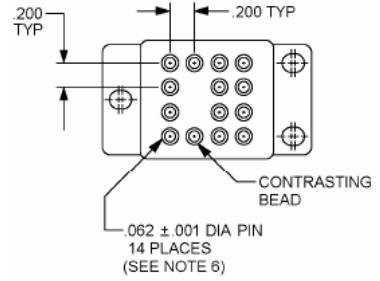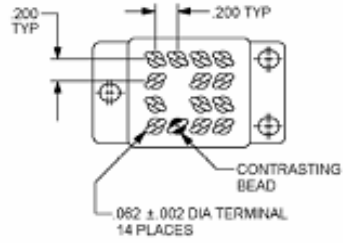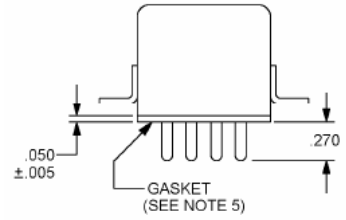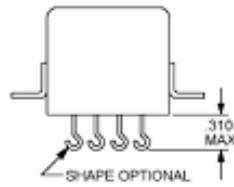T_0 = Minimum time (nominal timing from code)
T_1 = Required time
$T_1 < 10*T_0$

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Termination Styles
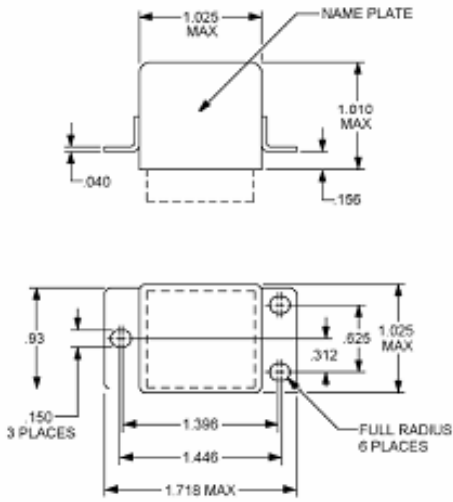
Termination
Code CF:
Solder Lug

Termination
Code CB:
Plug in

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