A COMPANY OF STPI GROUP

REBM210
Military Specified
Meets MIL-PRF-83726

General Characteristics

No. of Poles:	2 Form C (2PDT)
Dimensions:	1.025" x 1.025" x 1.010" (26.0 x 26.0 x 25.7)mm
Weight:	0.13 lb. (59 grams)

Switching Characteristics

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)

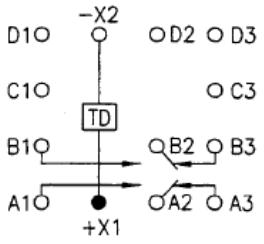
Electrical Characteristics

Contact Voltage Drop (at rated resistive load)		
-Initial:	150 mV Max.	
-After Guaranteed Life:	175 mV Max.	
Dielectric Strength @ Sea Level	Coil to Case	All Other Points
-Initial @ 60 Hz:	1,000 Vrms	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 (where applicable):	20 – 30 Vdc	
Control Current (where applicable):	15 mA Max. @ 25°C	

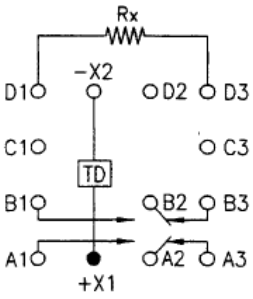
Contact Rating (Amps)

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

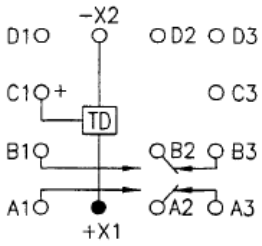
Circuit Diagram



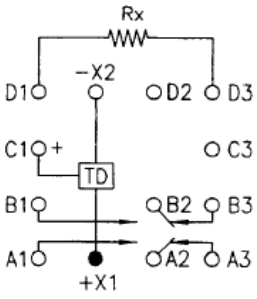
Delay on Operate
Fixed
Timing Code “A”



Delay on Operate
Adj. w/Ext. Resistor
Timing Code “B”



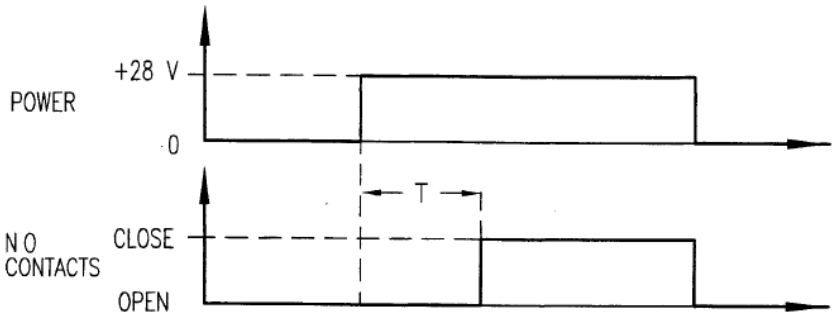
Delay on Release
w/Pos. Control
Fixed
Timing Code “J”

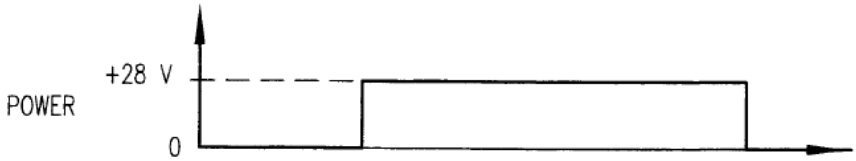


Delay on Release
w/Pos. Control
Adj. w/Ext. Resistor
Timing Code “L”

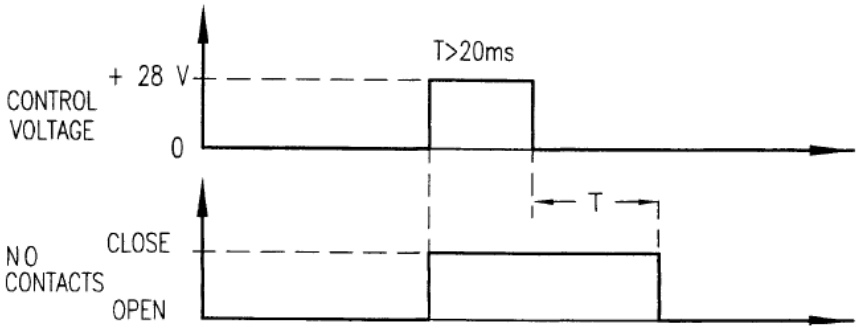
Timing Action

Delay on Operate
Timing Code “A” & “B”





Delay on Release with
Positive Control
Timing Code “J” & “L”



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:
REBM210A-1001CB = 100 ms x 10 = 1000 ms = 1 second

REBM210A-9002CF = 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 (1/10th of nominal timing from code)
T_1 = Required time
$T_1 < 10*T_0$

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

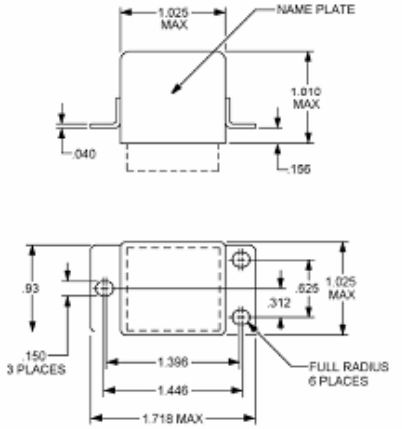
Basic Series

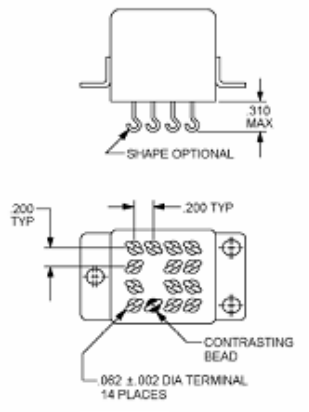
Delay Type

Timing Code

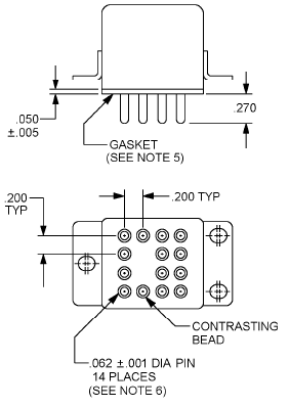
Termination Code

Termination Styles





Termination Code CF:
Solder Lug



Termination Code CB:
Plug in