

703



### »» Features

- 10A general purpose Power Relay with octal 8 & 11 pins type.
- AC & DC coils are both available.
- SPDT, DPDT, TPDT of contact configurations.
- Optional to be equipped with lamp indicator or push-to-test button.

### »» Type List

Terminal style	Contact form	Designation (provided with)				
		Blank	Lamp	Manual	Lamp & Manual	Open type
Quick terminal	XA (SPDT)	703XA	703XAL	703XAM	703XALM	703XAX
	XB (DPDT)	703XB	703XBL	703XBM	703XBLM	703XBX
	XC (TPDT)	703XC	703XCL	703XCM	703XCLM	703XCX
	XC-1 (TPDT) (different contact)	703XC-1	703XC-1L	703XC-1M	703XC-1LM	-----

### »» Ordering Information

703    XC    L  
1        2        3

- |        |   |          |                                       |
|--------|---|----------|---------------------------------------|
| 1. 703 | -- Basic series designation   | 3. Blank | -- No special feature                 |
|        |   | L        | -- Pilot lamp                         |
| 2. XA  | -- Single pole double throw √ eight pins terminal                                 | M        | -- Manual operator                    |
| XB     | -- Double pole double throw √ eight pins terminal                                 | X        | -- Open type with solder terminals    |
| XC     | -- Three pole double throw √ eleven pins terminal                                 |          | 703XAX-Open type √ SPDT √ 3 terminals |
| XC-1   | -- Three pole double throw √ eleven pins terminal (Different contact arrangement) |          | 703XBX-Open type √ DPDT √ 6 terminals |
|        |   |          | 703XCX-Open type √ 3PDT √ 9 terminals |

### »» Contact Rating

Resistive load	10A 28VDC, 10A 120VAC, 5A 240VAC
Motor	1/6HP 120VAC, 1/3HP 240VAC

## »» Coil Rating (DC)

Rated voltage (V)	Rated current $\pm 10\%$ at 23 °C (mA)	Coil resistance $\pm 10\%$ at 23 °C ( $\Omega$ )	Max. continuous voltage at 70 °C	Pick up voltage(Max) at 23 °C	Drop out voltage(Min) at 23 °C	Power consumption at rated voltage
6	188	32	120 % of rated voltage	75 % of rated voltage	10 % of rated voltage	approx. 1.2W
12	100	120				
24	51	472				
48	27	1800				
110	11	10000				
125	12.5	10000				

## »» Coil Rating (AC)

Rated voltage (V)	Coil resistance $\pm 10\%$ at 23 °C ( $\Omega$ )	Max. continuous voltage at 70 °C	Pick up voltage(Max) at 23 °C	Drop out voltage(Min) at 23 °C	Power consumption at rated voltage
6	6	110 % of rated voltage	85 % of rated voltage	30 % of rated voltage	approx. 2.0VA
12	21				
24	85				
48	350				
110	1980				
120	2250				
220	8400				
240	9110				

## »» Specification

Contact material	AgCdO alloy	
Contact resistance <sup>(1)</sup>	50 m $\Omega$ Max.	
Operate time <sup>(1)</sup>	20 ms Max.	
Release time <sup>(1)</sup>	20 ms Max.	
Insulation resistance <sup>(1)</sup>	1000 M $\Omega$ Min. (DC 500V)	
Dielectric strength <sup>(1)</sup>	Between live parts & ground : AC 1500V, 50/60Hz 1 min.	
	Between contact and coil : AC 1500V, 50/60Hz 1 min.	
	Between open contact : AC 500V, 50/60Hz 1 min.	
Vibration resistance	Operating extremes	10~55Hz, amplitude 1.0 mm
	Damage limits	10~55Hz, amplitude 1.5 mm
Shock resistance	Operating extremes	10G
	Damage limits	100G

Life expectancy	Mechanical	10,000,000 operations (frequency 18,000 operations/hr)
	Electrical	100,000 operations (frequency 1,200 operations/hr)
Operating ambient temperature	-45~+70 °C (no freezing)	
Weight	Approx. 79.2 g	

Note : (1) initial value

### »» Safety Approval

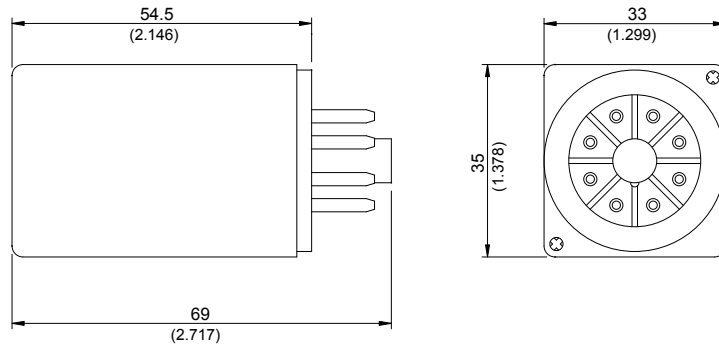
Certified	UL	CSA	FIMKO
File No.	E88991	LR90143	193853-01

### »» Safety Approval Rating

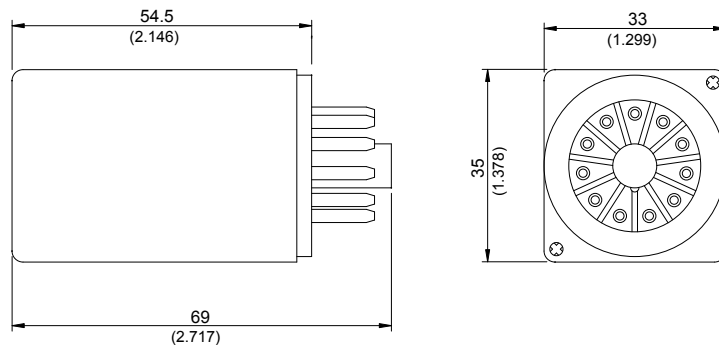
UL	CSA	FIMKO
10A 28VDC 10A, 1/6HP 120VAC 5A, 1/3HP 240VAC	10A 28VDC 10A, 1/6HP 120VAC 5A, 1/3HP 240VAC	10A 250VAC 5A 250VAC

### »» Outline Dimensions

#### ◆ 703XA, 703XB

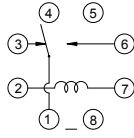


#### ◆ 703XC, 703XC-1

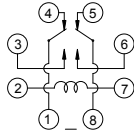


## »» Wiring Diagram BOTTOM VIEW

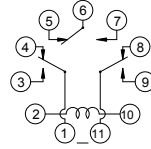
XA



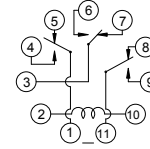
XB



XC



XC-1



## »» Engineering Data

