

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 connect 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

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|--|--------------------------------------|---------------------------------------|
| 1. 703 -- Basic series designation | 3. Blank -- No special feature | |
| 2. XA -- Single pole double throw \ eight pin terminal | L -- Pilot lamp | |
| XB -- Double pole double throw \ eight pin terminal | M -- Manual operator | |
| XC -- Three pole double throw \ eleven pin terminal | X -- Open type with solder terminals | 703XAX-Open type \ SPDT \ 3 terminals |
| XC-1 -- Three pole double throw \ eleven pin terminal (Different contact arrangements) | | 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 (Ω)	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 (Ω)	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 ⁽¹⁾	50 m Ω Max.	
Operate time ⁽¹⁾	20 ms Max.	
Release time ⁽¹⁾	20 ms Max.	
Insulation resistance ⁽¹⁾	1000 M Ω Min. (DC 500V)	
Dielectric strength ⁽¹⁾	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

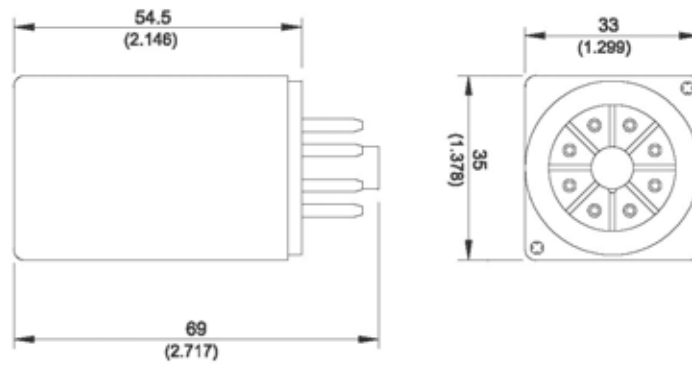
Certified	UL	CSA	FIMKO
File No.	E88991	LR90143	193853-01

»» Safety Approval Rating

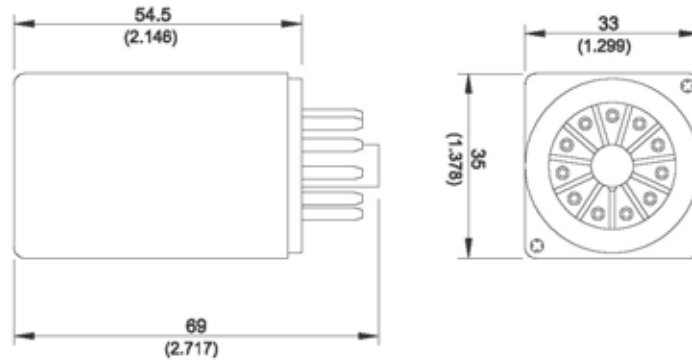
UL	CSA	FIMKO
10A, 1/6HP 120VAC	10A 1/6HP 120VAC	10A 250VAC
5A, 1/3HP 240VAC	5A 1/3HP 240VAC	5A 250VAC
10A 28VDC	10A 28VDC	

»» Outline Dimensions

◆703XA,703XB

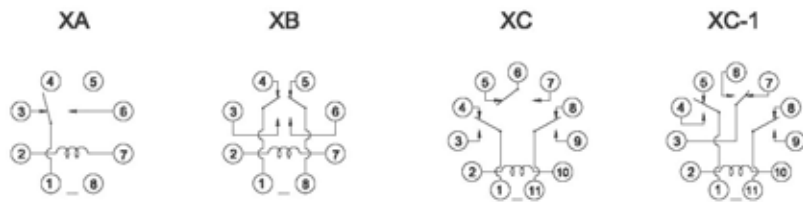


◆703XC,703XC-1



»» Wiring Diagram

BOTTOM VIEW



»» Engineering Data

