



703

**Discontinued**

»» 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 (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



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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

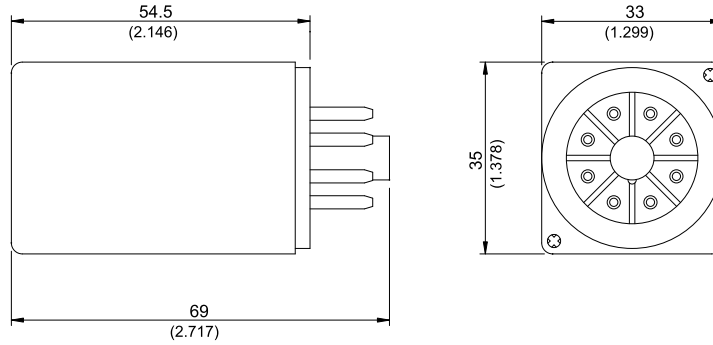
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File No.	E88991	1663800	193853-01

»» Safety Approval Rating

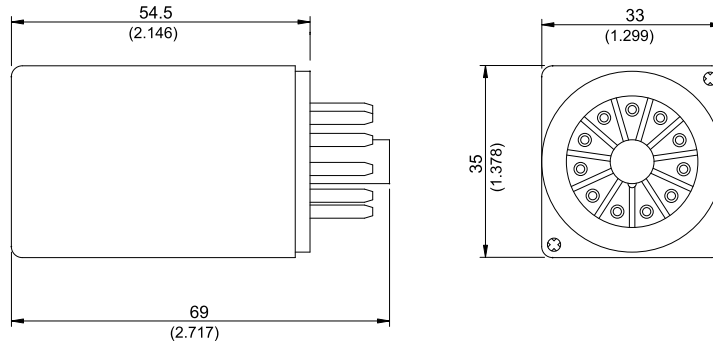
UL	CSA	FIMKO
10A 28VDC 10A, 1/6HP 120VAC 5A, 1/3HP 240VAC	10A 28VDC 10A, 1/6HP 120VAC 5A, 1/3HP 240VAC	10A 250VAC 5A 250VAC

»» Outline Dimensions

◆703XA,703XB

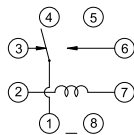


◆703XC,703XC-1

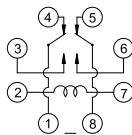


»» Wiring Diagram BOTTOM VIEW

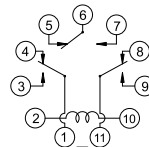
XA



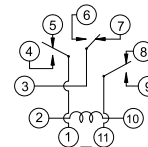
XB



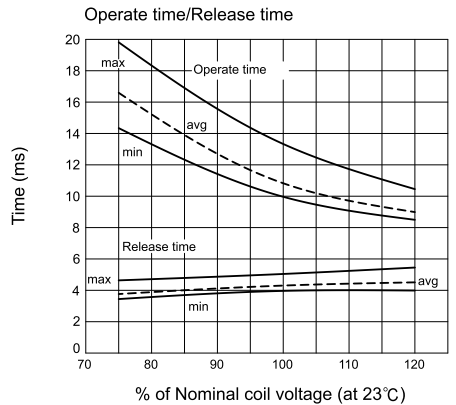
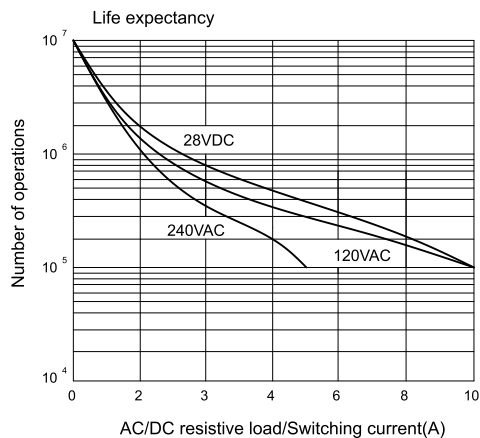
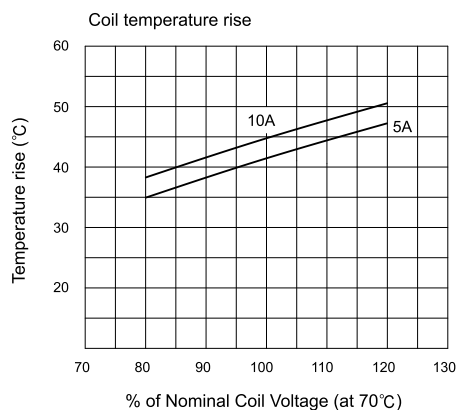
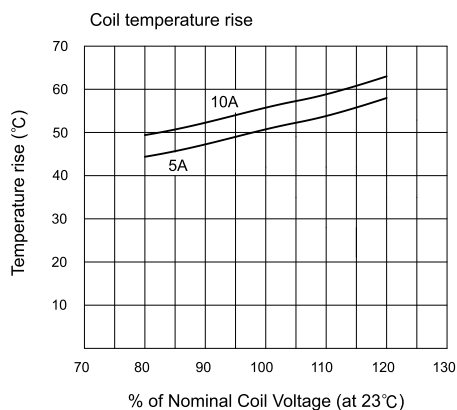
XC



XC-1



»» Engineering Data



Disclaimer

All technical performance data apply to the relay as such, specific conditions of the individual application are not considered. Please always check the suitability of the relay for your intended purpose. We do not assume any responsibility or liability for not complying herewith. We recommend to complete our questionnaire and to request our technical service. Any responsibility for the application of the product remains with the customer only. All specifications are subject to change without notification. All rights of Song Chuan are reserved.