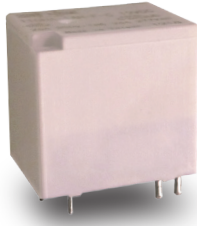


110 Series



Features

- High duty sugar cube relay with 26A 277VAC.
- Contact gap can be greater than 1.5mm & 2.1mm.
- Conforms to European photovoltaic standard IEC 62109-1.
- Coil holding voltage can be reduced to 55%V of the nominal coil voltage for saving energy.
- High performance PCB power relay for photovoltaic power generation systems (solar inverter), motor control, compressor control, home appliances.
- Complies with RoHS-Directive 2011/65/EU.

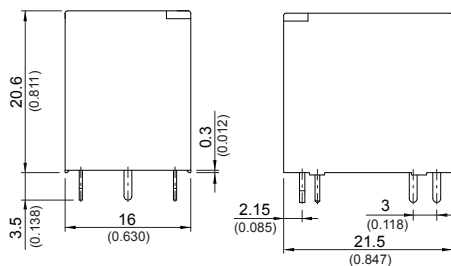
Description

Contact rating (Resistive load)	Standard type	26A 240VAC T75 ; ON 1s /OFF 9s ; 30,000 ops. 22A 240VAC T85 ; ON 1s /OFF 9s ; 30,000 ops.
	High power type	26A 240VAC T85 ; ON 1s /OFF 9s ; 30,000 ops.
Contact rating (Inductive load)	Standard type	26A 240VAC T85 AC-7a, cosΦ0.8 ; ON 0.1s / OFF 10s ; 30,000 ops.
	High power type	26A 240VAC T85 AC-7a, cosΦ0.8 ; ON 0.1s / OFF 10s ; 30,000 ops.
Coil voltage		12~48VDC
Power consumption		At rated voltage : Approx. 1.67W At holding voltage : Approx. 0.5W
Contact material		Ag alloy
Contact gap		1.5mm Min. / 2.1mm Min.
Contact resistance (1)		100mΩ Max. (1A/6VDC by 4 pipes mΩ meter)
Operate time (1)		15ms Max.
Release time (1)		10ms Max.
Insulation resistance (1)		100MΩ Min. (DC 500V)
Dielectric strength (1)		Between open contact : AC 1000V, 50/60Hz 1 min. Between contact and coil : AC 2500V, 50/60Hz 1 min. AC 4000V, 50/60Hz 1 min. (for 110B/BA)
Life expectancy (Mechanical)		500,000 ops. (frequency 9,000 operations/hr)
Operating ambient temperature		-40~+85° C (no freezing)
Weight		Approx. 15 g

- ※Note : (1) Initial value. Operate and release time excluding contact bounce.
(2) Consider the heat of PCB is necessary with actual application.
(3) Please contact Song Chuan for the detailed information.

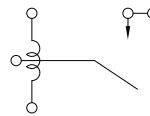
Outline Dimensions

◆ 110A

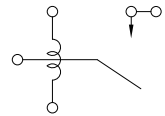


■ Wiring Diagram (bottom view)

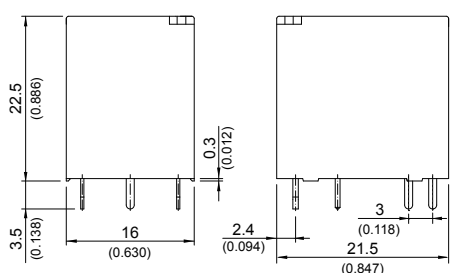
◆ 110A



◆ 110BA

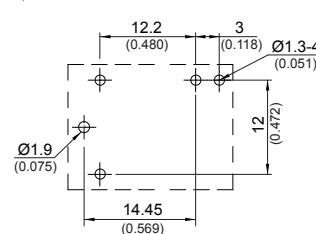


◆ 110BA

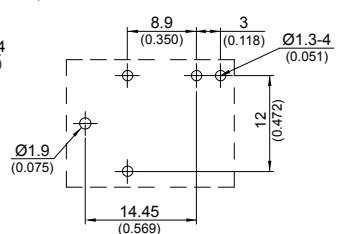


■ PC board layout (bottom view)

◆ 110A



◆ 110BA



TOLERANCE:
LESS THAN: 1(0.039) ±0.1(0.004)
5(0.197) ±0.3(0.012)
20(0.787) ±0.5(0.020)
MORE THAN: 20(0.787) ±1(0.039)

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.