www.anglia.com
info@anglia.com

Sandall Road
Wisbech
PE13 2PS UK
Tel: +44 (0)1945 47 47 47
Fax: +44 (0)1945 47 48 49

Change for HJQ-13F relay

PCN Number	PCNTIA1653
Publication Date	24/04/2023
Effectivity Date	Immediate
Change Summary	Changes to Manufacturing process
Last Time Buy	N/A
Last Time Ship	N/A

Functionality change

There has been no change to Form, Fit or Function. UL approval remains.

Details of Change

Changes to the manufacturing process on the HJQ-13F relay series to include spot welding on the moveable springs. The added process improves the production efficiency and the consistency of the spring action when the relay is operated.

Reason for change

Change was made to allow improvements to production efficiency.

Appendix contents

Images

Datasheet

These changes apply with immediate effect to shipments from manufacturer to Anglia. Anglia operates a strict FIFO system in our Distribution Centre facility; therefore, it may take time for this change to filter through to customer deliveries of the below part number(s).

Please make the relevant person(s) in your organisation aware of this change.

Yours Sincerely

Anglia

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Affected Part Numbers

PCN/PTN Number	Anglia Part Number	Brand
PCNTIA1653	HJQ-13F-12V-2Z-P	NINGBO TIANBO GANGLIAN CO. LTD
PCNTIA1653	HJQ-13F-12V-2Z	NINGBO TIANBO GANGLIAN CO. LTD

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Appendix

Document	Location	Date
Change Images		28/04/2023
Datasheet	HJQ-13F DATASHEET.pdf	02/11/2001
Original change notification	Change Notice for HJQ-13F.pdf	24/04/2023

Before Change:

HJQ-13F-2Z

After Change:

HJQ-13F

SPECIFICATION
FILE NUMBER: P-08KD101A
DATE: 2001/11/02

■ Features

15A transfer contacts
Au-clad contact available

■ CONTACT DATA

Contact Form	2C	1C
Contact Material	AgCdO	AgCdO
Contact Ratings	10A 240VAC/30VDC	16A240VAC/30VDC
Max Switching Voltage	250VAC/30VDC	
Max Switching Current	12A	20A
Max Switching Power	3000VA/360W	4000VA/480 W
Contact Resistance	100m Ω Max	at 6VDC 1A
Life Expectancy Electrical	100,000	Operations(at30Operations/minute)
Machanical	10,000,000	Operations

■ GENERAL DATA

Insulation Resistance		100M Ω Min at 500VDC
Dielectric Strength Between Open Contacts		1000VAC(for one minute)
Between Contacts and coil		1500VAC(for one minute)
Operate Time		25ms
Release Time		25ms
Temperature Range		-40°C to+70 °C
Shock Resistance	Operating Extremes	20G
	Damage Limits	100G
Vibration Resistance		10-55Hz,1.5mm
Humidity		40-85%
Weight		Approx 35g
Safety Standard		CSA:203664

■ COIL DATA(2Z)

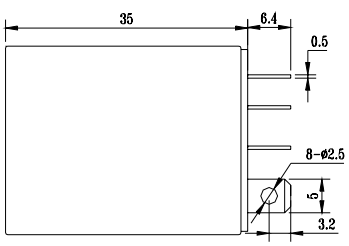
NominalVoltage		Coil Resistance at20±10%(Ω)		Max Operate Voltage		Min ReleaseVoltage		Max ApplicableVoltage	
5-110VDC	6-240VAC	VDC 0.9W	VAC 1.2VA	VDC	VAC	VDC	VAC	VDC	VAC
5	6	28	11.5	3.75	4.8	0.5	1.8	6.5	7.8
6	12	40	46	4.5	9.6	0.6	3.6	7.8	15.6
12	24	160	184	9	19.2	1.2	7.2	15.6	31.2
24	48	640	735	18	38.4	2.4	14.4	31.2	62.4
48	120	2560	4550±15%	36	96	4.8	36	62.4	156
110	220/240	13445	14400±15%	82.5	220	11	39.6	143	286/312

■ORDERING CODE

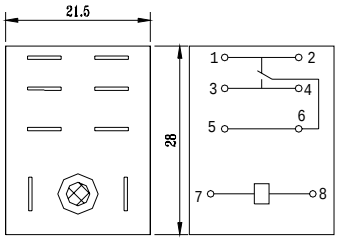
HJQ-13F--12VDC--2Z(P)----F---D

- D: With LED
- F: With Flange for 38mm pitch hole
- P: PCB Type Nil: B Type
- 2Z(P): 1Z form 1C 2Z Form 2C
- 12VDC: Coil Nominal Voltage
- HJQ-13F: Relay Model

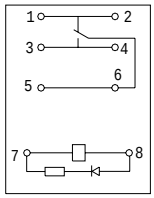
■ OVERALL AND MOUNTING DIMENSIONS



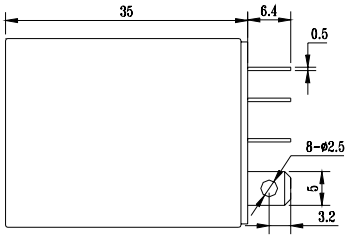
Dimensions



Terminal arrangement/
Interal connections
(Bottow view)



1ZD



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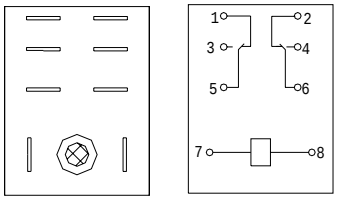
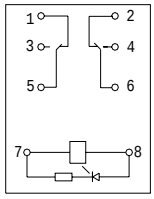
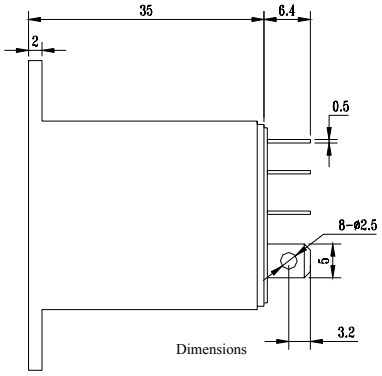


Terminal arrangement/
Interal connections
(Bottow view)



2ZD



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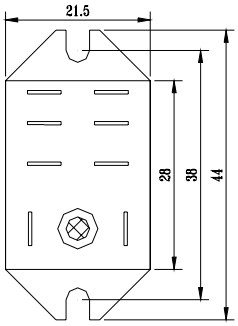
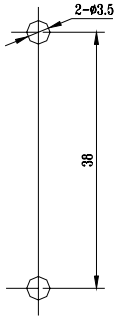
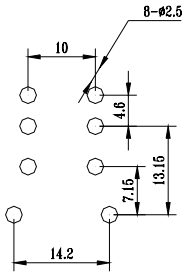
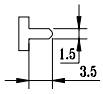






PCB Mounting

B Type



P Type

宁波天波港联电子有限公司
NINGBO TIANBO GANGLIAN ELECTRONICS CO.,LTD

Address：Hengxi Industrial Zone, Ningbo, Zhejiang, China 315131
Tel：0086-574-88064499　　Fax：0086-574-88471111
Email: yang@tianbo-relay.com　Http://www.tianbo-relay.com

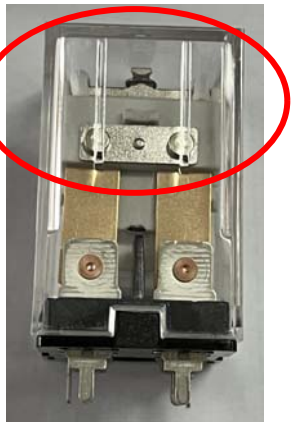
To: Valued Customers	Fax:
From: Engineering Dept.	Subject: Change for HJQ-13F relay
Date:2023/4/24	Pages:

Subject: Change for HJQ-13F relay

Thanks a lot for your cooperation all the time. In order to improve the production efficiency and quality, we change HJQ-13F relay as follows:

Before Change:　　**After Change：**

HJQ-13F-2Z



The product safety certification and certificate number before and after this change are the same. Please feel free to use without any influence