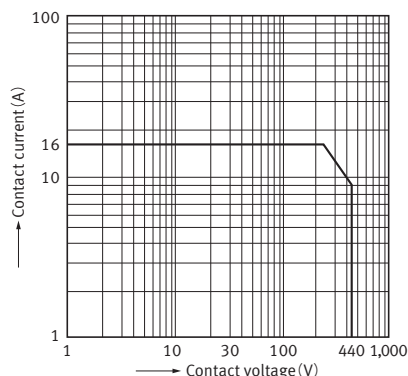


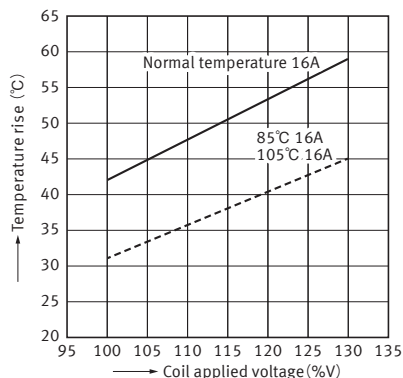
REFERENCE DATA

1. Max. switching capacity (AC resistive load)



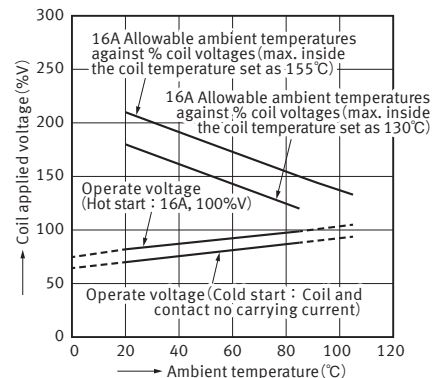
2. Coil temperature rise (Ave.)

Tested sample : ALZN1F12, 6 pcs.
Measured portion : Coil inside
Contact current : 16A
Ambient temperature : Normal temperature, 85°C, 105°C



3. Ambient temperature characteristics (Ave.)

Tested sample : ALZN1F12, 6 pcs.
Measured portion : Coil inside
Contact carrying current : 0A, 16A



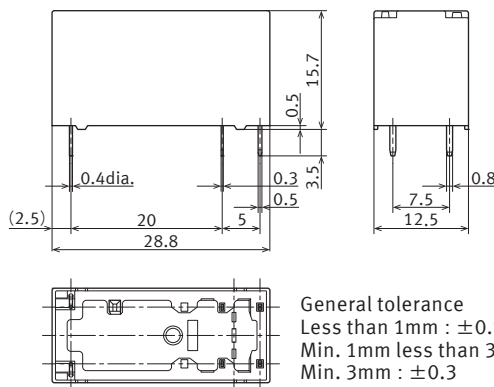
DIMENSIONS (mm)

1 Form A type

CAD

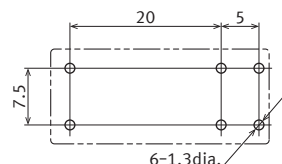
CAD The CAD data of the products with a "CAD" mark can be downloaded from our Website.

External dimensions



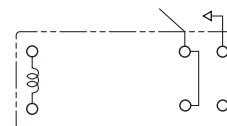
General tolerance
Less than 1mm : ± 0.1
Min. 1mm less than 3mm : ± 0.2
Min. 3mm : ± 0.3

PC board pattern



Tolerance ± 0.1

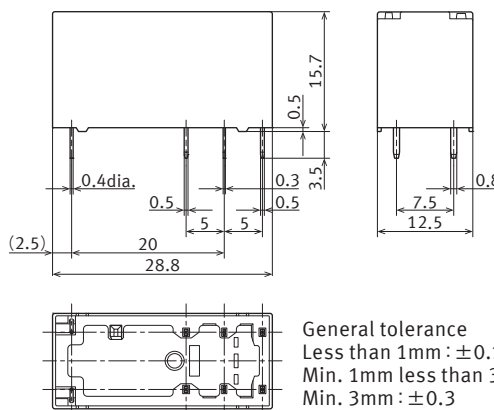
Schematic (Bottom view)



2. 1 Form C type

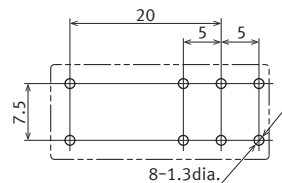
CAD

External dimensions



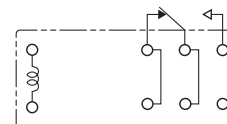
General tolerance
Less than 1mm : ± 0.1
Min. 1mm less than 3mm : ± 0.2
Min. 3mm : ± 0.3

PC board pattern



Tolerance ± 0.1

Schematic (Bottom view)



SAFETY STANDARDS

■ UL/C-UL (Recognized)

1 Form A Class B Insulation

File No.	Contact	Contact rating	Cycles	Temperature
E43149	N.O.	16A 277V AC Resistive	10 ⁵	85°C

1 Form A Class F Insulation

File No.	Contact	Contact rating	Cycles	Temperature
E43149	N.O.	25A 277V AC Resistive (Carry only)	10 ⁵	105°C
		17A 277V AC Resistive	10 ⁵	105°C
		16A 277V AC Resistive	10 ⁵	85°C
		16A 277V AC Resistive	3 × 10 ⁴	105°C

■ CSA (Certified)

CSA standard certified by C-UL

■ VDE (Certified)

Class B Insulation

File No.	Contact	Contact rating	Cycles	Temperature
40047387	N.O.	16A 250V AC (cosφ=1.0)	10 ⁵	25°C
		16A 250V AC (cosφ=1.0)	5 × 10 ⁴	85°C
		13A 250V AC (cosφ=1.0)	10 ⁵	85°C
	N.C.	16A 250V AC (cosφ=1.0)	10 ⁴	25°C

Class F Insulation

File No.	Contact	Contact rating	Cycles	Temperature
40047387	N.O.	16A 250V AC (cosφ=1.0)	10 ⁵	25°C
		16A 250V AC (cosφ=1.0)	5 × 10 ⁴	85°C
		16A 250V AC (cosφ=1.0)	3 × 10 ⁴	105°C
		13A 250V AC (cosφ=1.0)	10 ⁵	85°C
		10A 250V AC (cosφ=1.0)	10 ⁵	105°C
	N.C.	16A 250V AC (cosφ=1.0)	10 ⁴	25°C

1 Form C Class B Insulation

File No.	Contact	Contact rating	Cycles	Temperature
E43149	N.O.	16A 277V AC Resistive	10 ⁵	85°C
	N.C.	16A 277V AC Resistive	10 ⁴	40°C
		16A 277V AC Resistive	6 × 10 ³	85°C

1 Form C Class F Insulation

File No.	Contact	Contact rating	Cycles	Temperature
E43149	N.O.	16A 277V AC Resistive	10 ⁵	85°C
		16A 277V AC Resistive	3 × 10 ⁴	105°C
		13A 277V AC Resistive	10 ⁵	85°C
		10A 277V AC Resistive	10 ⁵	105°C
	N.C.	16A 277V AC Resistive	10 ⁴	40°C
		16A 277V AC Resistive	6 × 10 ³	85°C
		16A 277V AC Resistive (Carry only)	10 ⁵	105°C

■ TV rating

1 Form A

File No.	Rating
UL/C-UL: E43149	TV-5

1 Form C (N.O.)

File No.	Rating
UL/C-UL: E43149	TV-5

NOTES

1. For cautions for use, please read "GENERAL APPLICATION GUIDELINES".

Please refer to "the latest product specifications" when designing your product.

- Requests to customers :
<https://industrial.panasonic.com/ac/e/salespolicies/>