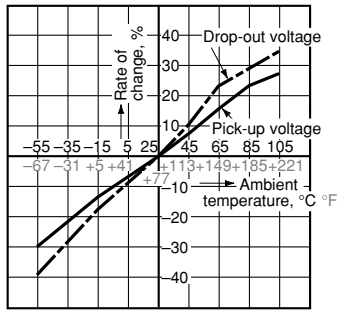
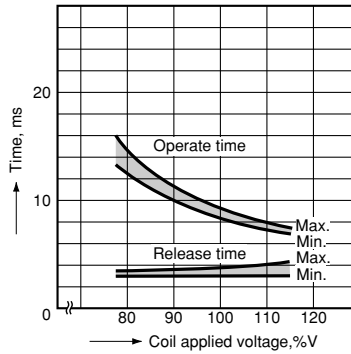


REFERENCE DATA

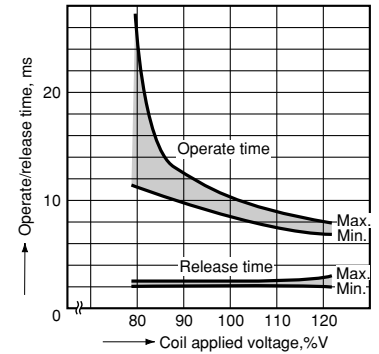
1. Change of rate of pick-up and drop-out voltage (at 20°C 68°F)
 Sample: JTN1S-TMP-F-DC24V (6 pcs.)



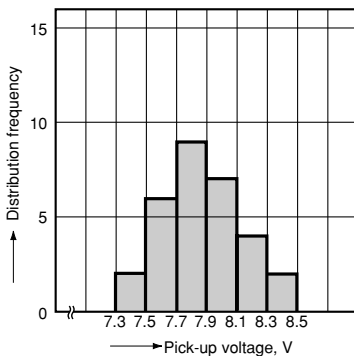
2. Operate & release time (at 20°C 68°F)
 Sample: JTN1S-TMP-F-DC24V (6 pcs.)



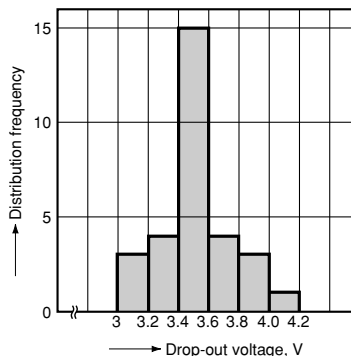
3. Operate & release time (at 20°C 68°F)
 Sample: JTN1aS-PA-F-DC24V (6 pcs.)



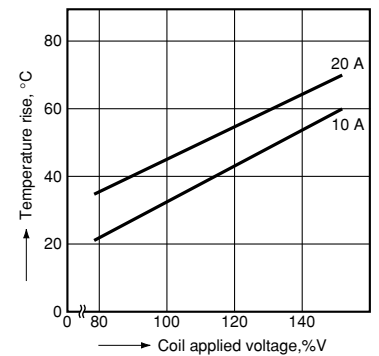
4. Distribution frequency of pick-up voltage (at 20°C 68°F)
 Sample: JTN1S-TMP-F-DC12V (30 pcs.)



5. Distribution frequency of drop-out voltage (at 20°C 68°F)
 Sample: JTN1S-TMP-F-DC12V (30 pcs.)

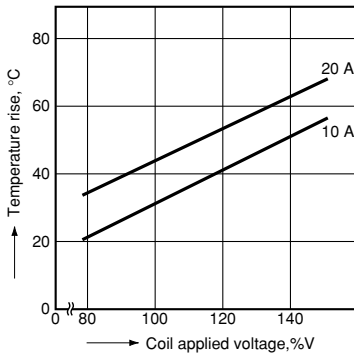


6.-(1) Coil temperature rise (TMP type)*
 Ambient temperature: 20°C 68°F
 Sample: JTN1aS-TMP-F-DC12V (6 pcs.)

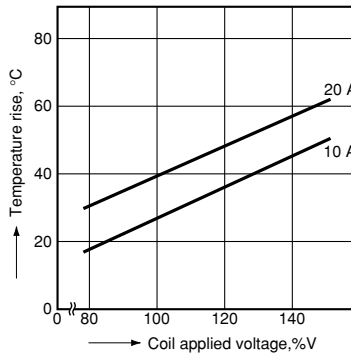


* Coil temperature rise of sealed types are same as data of the dust cover type.

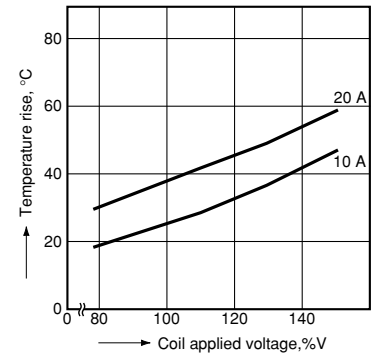
Ambient temperature: 55°C 131°F
 Sample: JTN1aS-TMP-F-DC12V (6 pcs.)



Ambient temperature: 85°C 185°F
 Sample: JTN1aS-TMP-F-DC12V (6 pcs.)



Ambient temperature: 105°C 221°F
 Sample: JTN1aS-TMP-F-DC12V (6 pcs.)

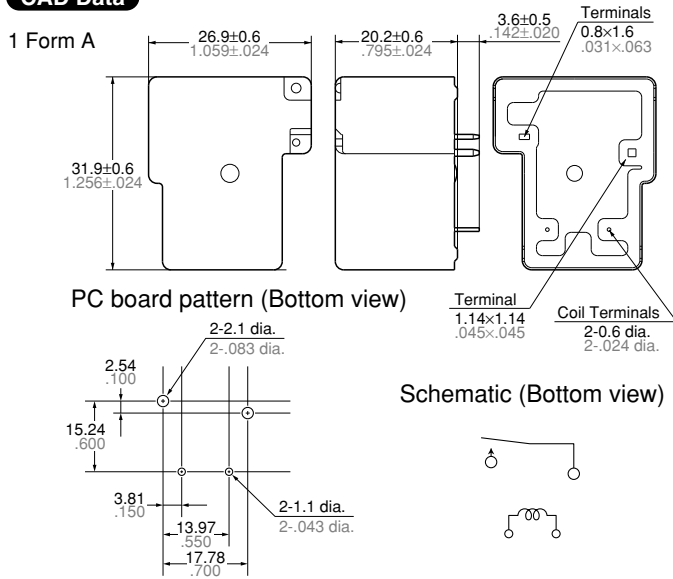


DIMENSIONS (mm inch)

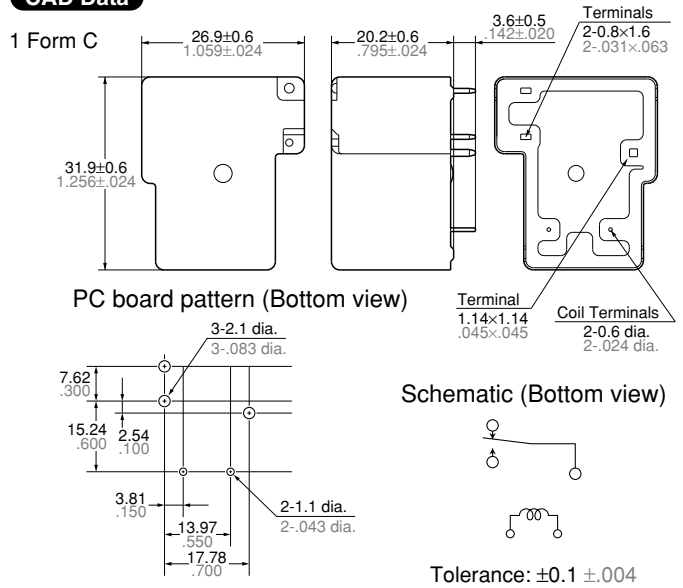
The CAD data of the products with a **CAD Data** mark can be downloaded from: <http://industrial.panasonic.com/ac/e/>

1. PCB type

CAD Data

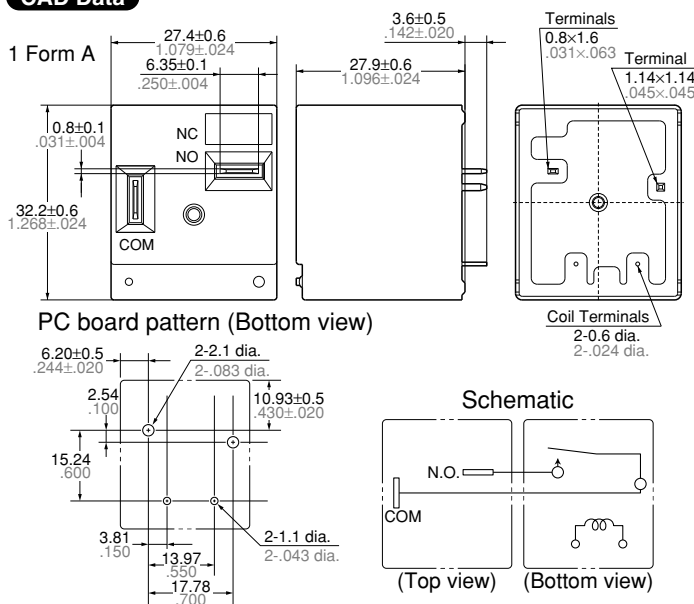


CAD Data

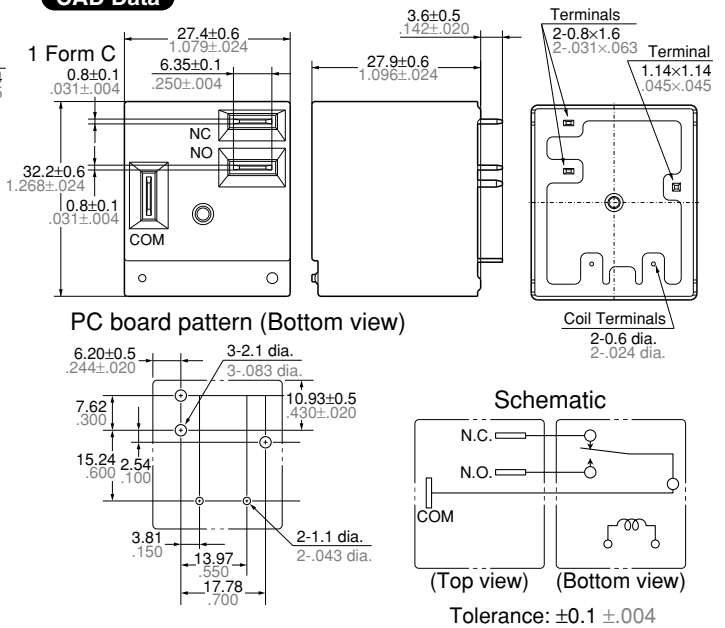


2. TMP type

CAD Data



CAD Data



SAFETY STANDARDS

Item	UL (Recognized)	
	File No.	Contact rating
1 Form A	E43028	30A 277V AC, 30A 28V DC, 2HP 250V AC
1 Form C	N.O.	20A 277V AC, 20A 28V DC, 2HP 250V AC
	N.C.	10A 277V AC, 10A 28V DC, 1/2HP 250V AC

Item	CSA (Certified)	
	File No.	Contact rating
1 Form A	LR26550	10A 277V AC, 30A 28V DC, 1HP 250V AC
1 Form C	N.O.	10A 277V AC, 20A 28V DC, 1HP 250V AC
	N.C.	10A 277V AC, 10A 28V DC, 1/2HP 250V AC

NOTES

1. Electrical life

In order to obtain the full rated life cycles, the relay should be properly vented by removing the vent nib after the soldering/washing process.

• PCB type

• TMP type

