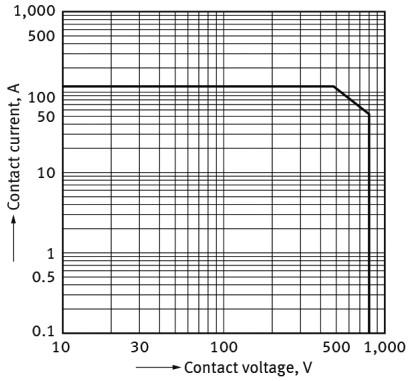
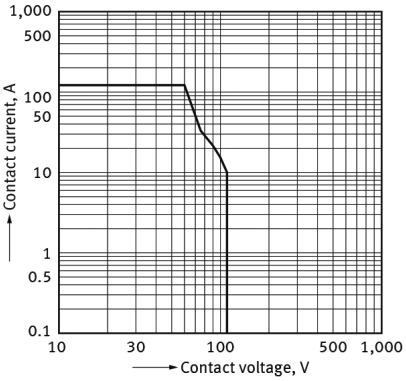
REFERENCE DATA

1-1.Max. switching capacity (AC resistive load)

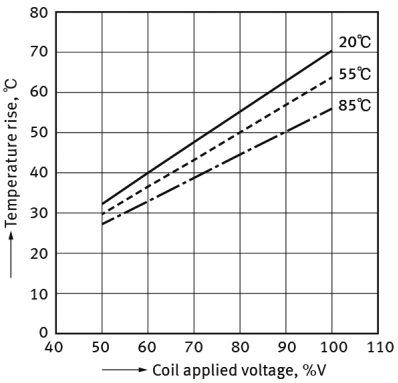


1-2.Max. switching capacity (DC resistive load)



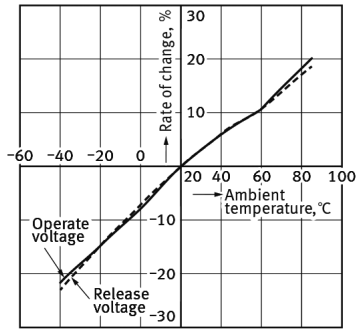
2.Coil temperature characteristics (Average)

Tested sample：HE1aN-W-DC12-Y7, 6pcs.
Measured portion：Coil inside
Contact carrying current：120A Ambient temperature：20℃, 55℃, 85℃



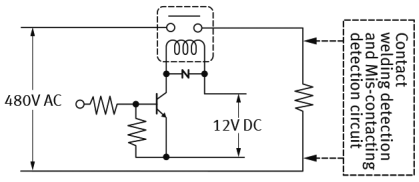
3.Ambient temperature characteristics

Tested sample：HE-N, 6 pcs.

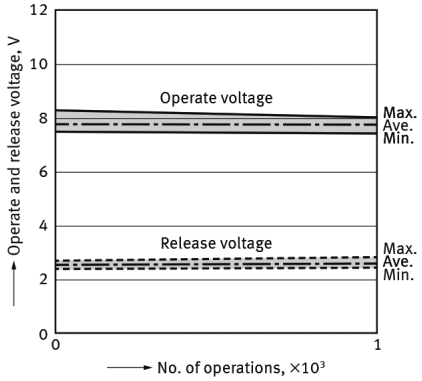


4.Electrical life test (Resistive load 480V AC 120A, at 85°C)

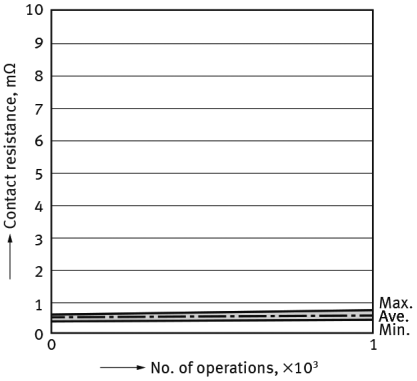
Tested sample：HE1aN-W-DC12-Y7, 6 pcs.
Operation frequency：6 times/min.
(ON：OFF=1s：9s)
Circuit：



Change of Operate and release voltage



Change of contact resistance



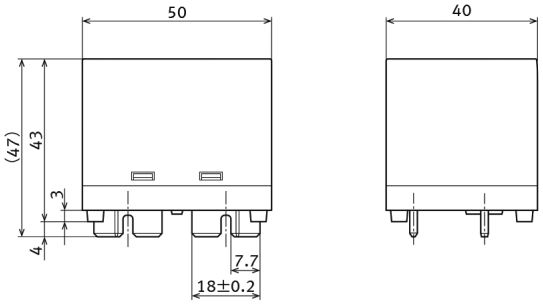
DIMENSIONS

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

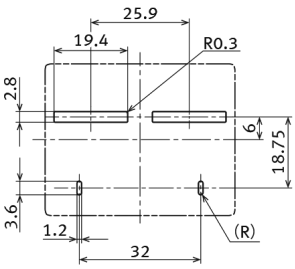
Unit: mm

CAD

External Dimensions

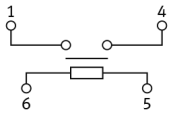


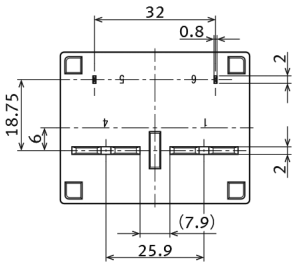
Recommended PC board pattern (BOTTOM VIEW)



TOLERANCE: ±0.1

Schematic (BOTTOM VIEW)





TOLERANCE;
less than 10mm: ±0.3
min.10mm~ : ±0.5

Note: Terminal dimension is a value without pre-soldering thickness.

INSULATION CHARACTERISTICS (IEC61810-1)

Item	Characteristics
Clearance/Creepage distance (IEC61810-1)	Min. 5.5mm/8mm
Category of protection (IEC61810-1)	RT II
Tracking resistance (IEC60112)	PTI 175
Insulation material group	III a
Over voltage category	III
Rated voltage	800V
Pollution degree	2
Type of insulation (Between contact and coil)	Basic insulation
Type of insulation (Between open contact)	micro disconnection

Note: Actual value