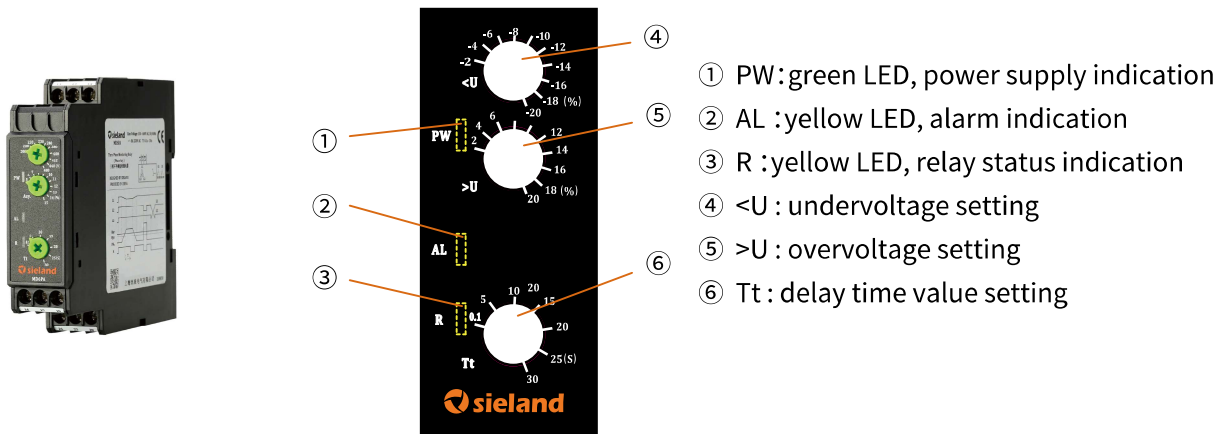


MD6SUV 220V Single phase relays specification



Products features:

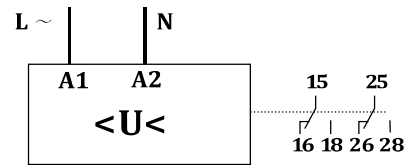
- Monitoring self-power supply with benchmark 220V AC
- Undervoltage and overvoltage monitoring
- Off delay mode

Technical data:

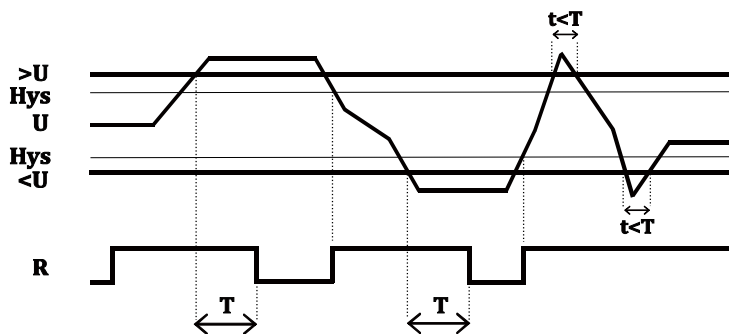
Rated voltage : 150 - 300V AC 50/60 Hz
 Undervoltage: -2% ... -20%
 Overvoltage: 2% ... 20%
 Hysterisys : 1%
 Delay time : 0.1s - 30s
 Relay output: 2 c/o
 Repeatability: $\pm 0.5\%$
 Temp. drift: $\pm 0.05\%/^{\circ}\text{C}$
 Voltage drift: $\pm 1\%/V$
 Relay capacity: 8A/250VAC
 Electrical durability: 10^5 cycles
 Mechanical durability: 10^7 cycles
 IP degree: IP50/IP20
 Operation Temp. : $-40^{\circ}\text{C} \dots 60^{\circ}\text{C}$
 Storage Temp. : $-40^{\circ}\text{C} \dots 85^{\circ}\text{C}$
 Dimensions: 22.5*92*100 mm
 Mounting: 35mm DIN rail
 Standards: IEC60255-1、GB14048.5

Reference figure for MD6SUV 220V

T: 0.1s-30s
L-N: 150 - 300V AC 50/60 Hz
 — : **8A 250V AC**



Function figure:



Example

■ 220V single phase voltage monitoring

Setting:

<U: Undervoltage threshold setting: -10%

>U: Overvoltage threshold setting: 10%

Delay time value setting: 5s

Then:

<U: $220 - 220 \times 10\% = 198V$

>U: $220 + 220 \times 10\% = 242V$

Conclusion:

When voltage is between 198V and 242V, voltage is normal, relay c/o switch on, led R turn on, led AL turn off

When voltage is over 242V, overvoltage fault occur, if the fault last for 5s, relay c/o switch off, led R turn off, led AL fast flash

When voltage is under 198V, undervoltage fault occur, if the fault last for 5s, relay c/o switch off, led R turn off, led AL slow flash