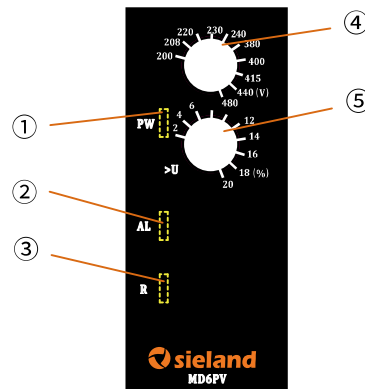


## MD6PV Three-phase overvoltage monitoring relays specification



- ① PW: green LED, power supply indication
- ② AL :yellow LED, alarm indication
- ③ R :yellow LED, relays status indication
- ④ Line voltage benchmark : 200V, 208V ... 480V
- ⑤ Overvoltage value setting

### Products features:

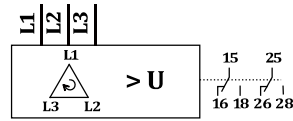
- Monitoring self-power supply
- Phase sequence / absence、 Overvoltage
- Line voltage benchmark : 200V, 208V, 220V, 230V, 240V, 380V, 400V, 415V, 440V, 480V

### Technical data:

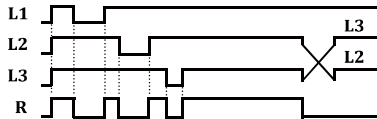
Rated voltage:	150 - 600VAC, 50/60 Hz (line voltage)
Overvoltage:	2% ... 20% (line voltage benchmark)
Relay output:	2 c/o
Repeatability:	±0.5%
Temperature drift:	±0.05%/°C
Voltage drift:	±1%/V
Relay capacity:	8A/250VAC
Electrical durability:	10 <sup>5</sup> cycles
Mechanical durability:	10 <sup>7</sup> cycles
IP degree:	IP50/IP20
Operation temperature:	-40°C...60°C
Storage temperature:	-40°C...85°C
Width:	22.5 mm
Height:	92 mm
Length:	100 mm
Mounting:	35mm DIN rail
Standards:	IEC60255-1、GB14048.5

Reference figure for MD6PV:

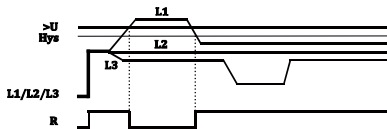
Line voltage: 150-600V, 50/60 Hz  
 — :8A 250V AC



Phase sequence / absence function:



Overvoltage function:



Example:

■ Equipment of overvoltage protect for line voltage benchmark 380V product

Setting:

>U: 10%

Accordingly:

>U setting value:  $380 + 380 \times 10\% = 418V$

Conclusion:

When voltage is under 418V, voltage is normal, relay c/o switch on,  
 led R turn on, led AL turn off

When voltage is over 418V, overvoltage fault occur, relay c/o switch off,  
 led R turn off, led AL fast flash

When phase sequence/phase loss fault occur, relay c/o switch off immediately, led R turn off, led AL turn on